

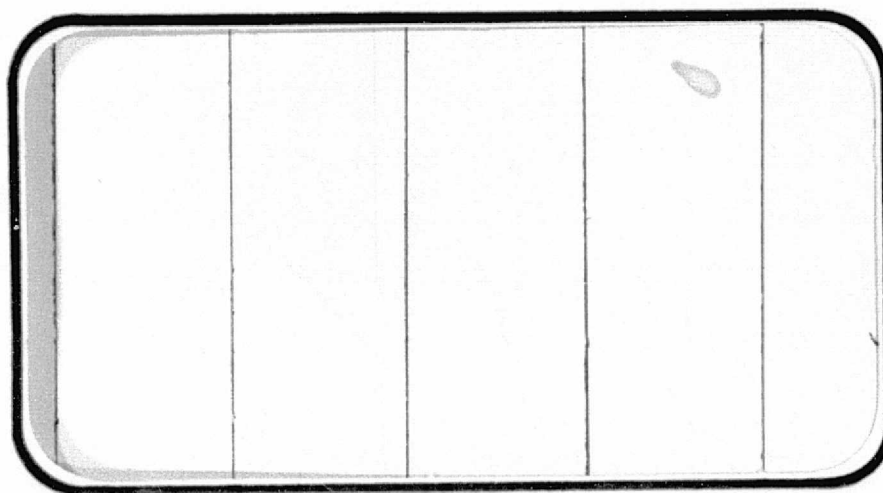
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# NATIONAL AERONAUTICS AND SPACE ADMINISTRATION



(NASA-CR-147613) RESULTS OF A LANDING GEAR  
LOADS TEST USING A 0.0405-SCALE MODEL (16-0)  
OF THE SPACE SHUTTLE ORBITER IN THE ROCKWELL  
INTERNATIONAL NAAL WIND TUNNEL (OA163),  
VOLUME 3 (Chrysler Corp.) 749 p

N77-13132  
HC A99  
MF A01

Unclas  
58472

G3/16

SPACE SHUTTLE

AEROTHERMODYNAMIC DATA REPORT



JOHNSON SPACE CENTER

HOUSTON, TEXAS

DATA MANAGEMENT services

SPACE DIVISION



CHRYSLER  
CORPORATION

November 1976

DMS-DR-2289  
NASA CR-147,613  
VOLUME 3 OF 4

RESULTS OF A LANDING GEAR LOADS TEST  
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SPACE SHUTTLE ORBITER IN THE ROCKWELL  
INTERNATIONAL NAAL WIND TUNNEL (OA163)

by

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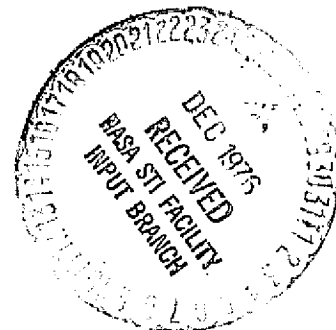
Prepared under NASA Contract Number NAS9-13247

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Chrysler Corporation Space Division  
New Orleans, La. 70189

for

Engineering Analysis Division  
Johnson Space Center  
National Aeronautics and Space Administration  
Houston, Texas



WIND TUNNEL TEST SPECIFICS:

Test Number: NAAL 751  
NASA Series Number: OA163  
Model Number: 16-0  
Test Dates: November 25 through December 9, 1975  
Occupancy Hours: 144

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RESULTS OF A LANDING GEAR LOADS TEST  
USING A 0.0405-SCALE MODEL (16-ø) OF THE  
SPACE SHUTTLE ORBITER IN THE ROCKWELL  
INTERNATIONAL NAAL WIND TUNNEL (0A163)

by

R. Mennell  
Rockwell International Space Division

ABSTRACT

Experimental aerodynamic investigations were conducted on a sting mounted .0405 scale representation of the 1400 outer mold line space shuttle orbiter configuration in the Rockwell International 7.75 x 11.00 foot low speed wind tunnel during the time period from 25 November 1975 to 9 December 1975. NASA designation for this test period was 0A163. Facility designation was NAAL 751.

The primary test objectives were to define the orbiter landing gear system pressure loading and to record landing gear door and strut hinge-moment levels.

Secondary objectives included recording the aerodynamic influence of various landing gear configurations on orbiter force data as well as investigating 40' x 80' Ames Wind Tunnel strut simulation effects on both orbiter landing gear loads and aerodynamic characteristics.

Testing was conducted at a Mach number of 0.17, free stream dynamic pressure of 42.5 PSF, and Reynolds number per unit length of  $1.2 \times 10^6$  per foot. Angle of attack variation was 0 to 20 degrees while yaw angles ranged from -10 to 10 degrees.

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- B)  $C_Y$ ,  $C_n(\text{BODY})$  and  $C_\rho(\text{BODY})$  versus  $\beta$
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- G)  $C_{h_{ND}}$ ,  $C_{h_{NS}}$ ,  $C_{h_{MD}}$  and  $C_{h_{MS}}$  versus  $\alpha$

# NOMENCLATURE General

| <u>SYMBOL</u>  | <u>MNEMONIC</u>  | <u>DEFINITION</u>  |
|----------------|------------------|--|
| a              |                  | speed of sound; m/sec, ft/sec                            |
| C <sub>p</sub> | CP               | pressure coefficient; $(p_1 - p_\infty)/q$               |
| M              | MACH             | Mach number; $V/a$                                       |
| p              |                  | pressure; N/m <sup>2</sup> , psf                         |
| q              | Q(NSM)<br>Q(PSF) | dynamic pressure; $1/2\rho V^2$ , N/m <sup>2</sup> , psf |
| RN/L           | RN/L             | unit Reynolds number; per m, per ft                      |
| V              |                  | velocity; m/sec, ft/sec                                  |
| $\alpha$       | ALPHA            | angle of attack, degrees                                 |
| $\beta$        | BETA             | angle of sideslip, degrees                               |
| $\psi$         | PSI              | angle of yaw, degrees                                    |
| $\phi$         | PHI              | angle of roll, degrees                                   |
| $\rho$         |                  | mass density; kg/m <sup>3</sup> , slugs/ft <sup>3</sup>  |

## Reference & C.G. Definitions

|                              |      |   |
|------------------------------|------|---|
| A <sub>b</sub>               |      | base area; m <sup>2</sup> , ft <sup>2</sup>                   |
| b                            | BREF | wing span or reference span; m, ft                            |
| c.g.                         |      | center of gravity   |
| $\frac{l}{c}$ <sub>REF</sub> | LREF | reference length or wing mean aerodynamic chord; m, ft        |
| S                            | SREF | wing area or reference area; m <sup>2</sup> , ft <sup>2</sup> |
|                              | MRP  | moment reference point  |
|                              | XMRP | moment reference point on X axis                              |
|                              | YMRP | moment reference point on Y axis                              |
|                              | ZMRP | moment reference point on Z axis                              |

## SUBSCRIPTS

|          |                   |
|----------|-------------------|
| b        | base              |
| l        | local             |
| s        | static conditions |
| o        | total conditions  |
| $\infty$ | free stream       |

# NOMENCLATURE (Continued)

| <u>SYMBOL</u>      | <u>MNEMONIC</u>  | <u>DEFINITION</u>  |
|--------------------|------------------|--|
| $A_{BC}$           |                  | balance cavity area, ft. <sup>2</sup>  |
| $C_N$              | CN               | normal-force coefficient; $\frac{\text{normal force}}{qS}$   |
| $C_A$              | CA               | axial-force coefficient; $\frac{\text{axial force}}{qS}$   |
| $C_Y$              | CY               | side-force coefficient; $\frac{\text{side force}}{qS}$   |
| $C_{A_b}$          | CAB              | base-force coefficient; $\frac{\text{base force}}{qS}$<br>$-A_b(p_b - p_\infty)/qS$  |
| $C_{A_f}$          | CAF              | forebody axial force coefficient, $C_A - C_{A_b}$  |
| $C_m$              | CLM              | pitching-moment coefficient; $\frac{\text{pitching moment}}{qS l_{REF}}$   |
| $C_n(\text{BODY})$ | CYN              | yawing-moment coefficient; $\frac{\text{yawing moment}}{qS b}$ ,<br>body axis  |
| $C_l(\text{BODY})$ | CBL              | rolling-moment coefficient; $\frac{\text{rolling moment}}{qS b}$ ,<br>body axis  |
| $C_{h_{XY}}$       | CHMXY            | landing gear door or strut hinge moment<br>coefficient = $\frac{H_{MXY}}{qS l_B} * 1000$   |
| HMXY               | HMXY             | landing gear door or strut hinge moment, in-lbs  |
| XY                 | XY               | letter designation for landing gear component<br>= NS, nose landing gear strut<br>= MS, main landing gear right hand strut<br>= ND, nose landing gear right hand door<br>= MD, main landing gear right hand door |
|                    | DUMMY1<br>DUMMY2 | artificial geometric variable/dimension<br>used as second dimension in datasets<br>containing perimeter and strut pressure<br>taps   |
| $l_B$              |                  | fuselage reference length, in  |

# NOMENCLATURE (Concluded)

| <u>SYMBOL</u> | <u>MNEMONIC</u> | <u>DEFINITION</u>   |
|---------------|-----------------|---|
|               | TAP             | pressure tap number, Figures 2d,e,f give locations                                    |
|               | X/CML           | longitudinal position along main landing gear door, as a fraction of it's length      |
|               | X/CNL           | longitudinal position along nose landing gear door, as a fraction of it's length      |
|               | Y/BML           | lateral position across main landing gear door, as a fraction of it's reference width |
|               | Y/BNL           | lateral position across nose landing gear door, as a fraction of it's reference width |
| $\delta_{bf}$ | BDFLAP          | body flap deflection, degrees   |
| $\delta_e$    | ELEVON          | elevon deflection, degrees  |
| $\delta_{sb}$ | SPDBRK          | speed brake deflection, degrees   |
| $\theta_N$    | THETAN          | nose landing gear strut position, degrees   |
| $\theta_M$    | THETAM          | main landing gear strut position, degrees   |
| $\phi_N$      | PHI-N           | nose landing gear door position, degrees  |
| $\phi_M$      | PHI-M           | main landing gear door position, degrees  |
| $\phi_P$      |                 | main landing gear strut pressure orifice location, degrees                            |
| $C_L$         | CL              | lift coefficient; $\frac{\text{lift}}{qS}$  |
| $C_D$         | CD              | drag coefficient; $\frac{\text{drag}}{qS}$  |
| $C_{D_b}$     | CDB             | base-drag coefficient; $\frac{\text{base drag}}{qS}$                                  |
| $C_{D_f}$     | CDF             | forebody drag coefficient; $C_D - C_{D_b}$  |
| $C_n$         | CLN             | yawing-moment coefficient; $\frac{\text{yawing moment}}{qSb}$ , stability axis        |
| $C_l$         | CSL             | rolling-moment coefficient; $\frac{\text{rolling moment}}{qSb}$ , stability axis      |
|               | XCP/L           | center of pressure location referred to $x_b$   |



## CONFIGURATIONS INVESTIGATED

The model provided for test period 0A163 was an .0405-scale representation of the 140C space shuttle orbiter outer mold line configuration. The basic model was of the blended wing-body design utilizing a double delta wing ( $75^\circ/45^\circ$  A.L.E.), full span, dual panel elevons (unswept hinge-line and 6" gaps), a centerline vertical tail with rudder and/or speed brake deflection capability, a canopy, a body flap, and an orbital maneuvering system (OMS pods) mounted on the aft fuselage sidewalls adjacent to the vertical tail. Landing gear simulation consisted of both nose and main landing gear systems each with the deployment capability from full up to full down.

Both the nose and main landing gear systems were instrumented with static pressure measuring orifices and hinge moment beams as illustrated in figures 2c through 2h.

For this test period the following nomenclature was used to designate various model components:

| <u>Component</u> | <u>Description</u>  |
|------------------|---|
| B68              | 140C orbiter fuselage with air vent door and vent door probe simulation |
| C12              | 140C orbiter canopy   |
| E55              | 140C orbiter dual panel elevons   |
| F10              | 140C orbiter body flap  |
| G20              | 140C orbiter nose and main landing gear system simulation               |
| M16              | 140C orbiter OMS/RCS pods   |

CONFIGURATIONS INVESTIGATED (Concluded)

| <u>Component</u> | <u>Description</u>                    |
|------------------|---------------------------------------|
| N28              | 140C orbiter OMS nozzles              |
| W127             | 140C orbiter double delta wing        |
| R5               | 140C orbiter rudder                   |
| V8               | 140C orbiter centerline vertical tail |
| X9               | transition grit                       |

Designated configurations are:

O   ≡  B68 C12 E55 F10 M16 N28 R5 V8 W127 X9

GP   ≡  Ground plane installed

SS   ≡  Strut simulation (40' x 80' Ames Wind Tunnel)

## TEST FACILITY DESCRIPTION

North American Aerodynamics Laboratory (NAAL) 7.75 x 11-foot Wind Tunnel is a continuous flow, closed circuit, single return tunnel capable of speeds up to 200 miles per hour.

The test section is vented to atmospheric pressure and is 7.75 x 11 feet wide and 12 feet long. Power is supplied by a 1250-horsepower nacelle-mounted synchronous motor driving a 19-foot, seven-blade, laminated birch propeller. Airspeed is controlled by using a magnetic clutch to vary the degree of coupling between the motor and propeller. Turbulence is minimized by a damping screen and a honeycomb section in the settling chamber upstream from the contraction cone (ratio 7.53 to 1).

Tests may be conducted using a variety of mounting systems: single strut, double strut, sting strut, reflection plane, cable suspension, or two-dimensional wall. Aerodynamic data may be measured by a planar type external balance system or sting-mounted internal balances. An Astrodata Automatic Data Acquisition System collects, multiplexes, digitizes, and records on magnetic tape 50 channels of force or pressure data or both. Data are then reduced and plotted using automatic data processing equipment and an automatic digital plotter.

The NAAL Wind Tunnel has been operating since June 1943. Calibrations are available over a wide range of test conditions.

## DATA REDUCTION

The aerodynamic force data presented in this report was measured by the Task Corporation 2.5 inch MK IX six-component strain gage balance. All steady state static pressures were measured by  $\pm 2.5$  psid Statham differential pressure transducers installed in a four-pack model mounted scanivalve referenced to tunnel static pressure. Landing gear strut and door hinge moment loads were measured from single beam, bearing mounted strain gages.

Corrections applied to the aforementioned data were test section wall effects on model aerodynamic coefficients, model tunnel blockage effects on test section dynamic pressure, model base pressure drag effects on model angle of attack and angle of sideslip.

Nose and main landing gear door static pressure tap locations are presented non-dimensionalized by landing gear door total chord or span. The coordinate systems used have origins at the forward outer corner of each respective door. Tap locations about the door perimeters and left main landing gear are presented by tap number only.

The following reference dimensions and constants were used in data reduction:

| <u>Symbol</u> |  | <u>Model<br/>Scale</u> | <u>Full<br/>Scale</u> |
|---------------|--|------------------------|-----------------------|
| $A_b$         | area of model base, (not including $A_{BC}$ ), $\text{ft}^2$ | 0.5885                 |                       |
| $A_{BC}$      | area of balance cavity, $\text{ft}^2$                        | 0.0985                 |                       |
| $b$           | wing span, in.   | 37.9356                | 936.68                |

# DATA REDUCTION (Concluded)

| <u>Symbol</u> |   | <u>Model<br/>Scale</u> | <u>Full<br/>Scale</u> |
|---------------|---|------------------------|-----------------------|
| bML           | left main landing gear door<br>reference span, in.  | 2.794                  | 68.99                 |
| bNL           | left nose landing gear door<br>reference span, in.  | 1.154                  | 28.49                 |
| $\bar{c}$     | wing MAC, in.                                       | 19.2300                | 474.81                |
| cML           | left main landing gear door<br>reference chord, in. | 6.116                  | 151.01                |
| cNL           | left nose landing gear door<br>reference chord, in. | 4.393                  | 108.47                |
| S             | wing area, ft <sup>2</sup>                          | 4.4123                 | 2690.00               |
| XMRP          | reference C.G., fus. sta.                           | 43.6055                | 1076.68               |
| ZMRP          | reference C.G. waterplane                           | 15.1875                | 375.00                |
| $l_B$         | orbiter body length, in.                            | 52.2572                | 1290.30               |

The plotted and tabulated data are arranged in the following manner:

## VOLUME NO.

|   |  |                       |
|---|--|-----------------------|
| 1 | Data Figures<br>Tabulated Force Data   |                       |
|   | Tabulated Pressure Data  | Fourth<br>Character * |
| 2 | Nose landing gear door outer surface<br>Nose landing gear door inner surface | N<br>E                |
| 3 | Main landing gear door outer surface<br>Main landing gear door inner surface | M<br>F                |
| 4 | Nose and main landing gear door perimeter<br>Main landing gear strut         | P<br>W                |

\* The fourth character in each dataset identifier (i.e., RFFPXX, for perimeter) represents the individual component.

## REMARKS

All landing gear pressure data obtained in this test program showed good agreement with predicted data trends and evidenced excellent repeatability. No anomalies occurred in their acquisition or reduction.

Likewise, excellent behavior was experienced with main balance and landing gear door hinge moment data. These were acceptable for immediate reduction and presentation after the test.

Nose gear strut trunnion-moment outputs were also notable for their repeatability and consistency with expected trends, although the absolute magnitude of these loads data was almost double what had been predicted prior to the test.

Main gear strut trunnion-moments also exhibited exceptional repeatability, both in testing and in all pre- and post-test calibrations. However, unusual behavior was observed in the data obtained for the full-down strut position (and somewhat at the 80° setting). Plots of hinge moment versus strut position showed a hook in the vicinity of the fully extended position. After close examination, this was attributed to the fully-extended main gear drag link taking up part of the strut load when the strut was deflected under load. Initial calibrations of the strut hinge moment gage were done with the drag link removed. The gage was recalibrated with the drag link installed. This calibration was used again to reduce the test data. These data are presented in this report.

REFERENCE

AD75-SH-0238, "Pretest Information For A Landing Gear Loads Test (OA163)  
Of The 0.0405-Scale Model Of The Space Shuttle Orbiter In The Rockwell  
International NAAL Wind Tunnel (Model 16- $\phi$ )," November 10, 1975.

### TABLE I

[illegible]



TABLE II.

| TEST: 0A163                                       |               |  | DATA SET RUN NUMBER COLLATION SUMMARY |            |    |     |     |          |          |             |             |  | DATE: FEB. '76 |           |     |    |     |     |  |
|---|---------------|--|---------------------------------------|------------|----|-----|-----|----------|----------|-------------|-------------|--|----------------|-----------|-----|----|-----|-----|--|
| DATA SET IDENTIFIER                               | CONFIGURATION | SCHD.  |                                       | PARAMETERS |    |     |     |          |          |             |             | BETA   |                |           |     |    |     |     |  |
|   |               | B  | $\alpha$                              | M          | SE | SSE | SSR | $\phi_N$ | $\phi_M$ | $\phi_{M1}$ | $\phi_{M2}$ | -10  | -5             | -2        | 0   | 2  | 5   | 10  |  |
| RFF101  | 0             | F  | A                                     | .17        | 0° | 0°  | 25° | 0°       | 0°       | 0°          | 0°          | 5  | 4              |           | 1   |    | 3   | 2   |  |
| 102   |               |  |                                       |            |    |     |     | .26      |          | .23°        |             | 10   | 9              |           | 8   |    | 7   | 6   |  |
| 03  |               |  |                                       |            |    |     |     | 2        |          | 2           |             | 15   | 14             |           | 13  |    | 12  | 11  |  |
| 04  |               |  |                                       |            |    |     |     | 4        |          | 4           |             | 20   | 19             |           | 18  |    | 17  | 16  |  |
| 05  |               |  |                                       |            |    |     |     | 6        |          | 6           | 1.1         | 25   | 24             |           | 23  |    | 22  | 21  |  |
| 06  |               |  |                                       |            |    |     |     | 8        | 1        | 8           |             | 30   | 29             |           | 28  |    | 27  | 26  |  |
| 07  |               |  |                                       |            |    |     |     | 10       | 1.3      | 10          | 1.6         | 35   | 34             |           | 33  |    | 32  | 31  |  |
| 08  |               |  |                                       |            |    |     |     | 15       | 2        | 15          | 2.4         | 156  | 157            |           | 155 |    | 158 | 159 |  |
| 09  |               |  |                                       |            |    |     |     | 20       | 2.9      | 20          | 3.1         | 150  | 151            |           | 152 |    | 153 | 154 |  |
| 10  |               |  |                                       |            |    |     |     | 30.8     | 5        | 32.2        | 5           | 50   | 49             |           | 48  |    | 47  | 46  |  |
| 11  |               |  |                                       |            |    |     |     |          |          | 40          | 6.2         | 51   | 52             |           | 53  |    | 54  | 55  |  |
| 12  |               |  |                                       |            |    |     |     | 50       | 9.8      | 48.3        |             | 56   | 57             |           | 58  |    | 59  | 60  |  |
| 13  |               |  |                                       |            |    |     |     | 66       | 20       | 70          | 11.2        | 62   | 63             |           | 67  |    | 68  | 69  |  |
| 14  |               |  |                                       |            |    |     |     |          |          | 88          | 20          | 70   | 71             |           | 72  |    | 73  | 74  |  |
| 15  |               |  |                                       |            |    |     |     |          | 35°      |             | 35          | 75   | 76             |           | 77  |    | 78  | 79  |  |
| 16  |               |  |                                       |            |    |     |     | 50       |          | 50          |             | 80   | 81             |           | 82  |    | 83  | 84  |  |
| 17  |               |  |                                       |            |    |     |     | 65       |          | 65          |             | 85   | 86             |           | 87  |    | 88  | 89  |  |
| 18  |               |  |                                       |            |    |     |     | 80       |          | 80          |             | 90   | 91             |           | 92  |    | 93  | 94  |  |
|   |               | 1  | 7                                     | 13         | 19 | 25  | 31  | 37       | 43       | 49          | 55          | 61   | 67             | 73        | 79  | 85 | 91  | 97  |  |
| CL CDF CLM CN CAF CLN CSL CY XCP/L CAB BETA ALPHA |               | COEFFICIENTS   |                                       |            |    |     |     |          |          |             |             | IDVAR (1)  |                | IDVAR (2) | NDV |    |     |     |  |
| $\alpha$ OR $\beta$                               |               | $\alpha(A) = 0 \rightarrow 10^\circ, \Delta\alpha = 2^\circ$ |                                       |            |    |     |     |          |          |             |             | $\alpha(C) = 0 \rightarrow 20^\circ, \Delta\alpha = 5^\circ$ |                |           |     |    |     |     |  |
| SCHEDULES   |               | $\alpha(B) = 0, 2, 4, 5, 6, 8, 10, 15, 20$                   |                                       |            |    |     |     |          |          |             |             | $\beta(D) = -10, -5, -2, 0, 5, 10$                           |                |           |     |    |     |     |  |

TEST RUN NUMBER.

7=0

TABLE II. - Continued.

| TEST : 0A163   |               |       |          | DATA SET/RUN NUMBER COLLATION SUMMARY |            |            |            |          |            |          |            | DATE : FEB. '76   |     |     |     |     |     |     |     |
|--|---------------|-------|----------|---------------------------------------|------------|------------|------------|----------|------------|----------|------------|---|-----|-----|-----|-----|-----|-----|-----|
| DATA SET IDENTIFIER  | CONFIGURATION | SCHD. |          | PARAMETERS                            |            |            |            |          |            |          |            | BETA  |     |     |     |     |     |     |     |
|  |               | R     | $\alpha$ | M                                     | $\delta_E$ | $\delta_B$ | $\delta_S$ | $\phi_N$ | $\theta_N$ | $\phi_M$ | $\theta_M$ | -10   | -5  | -2  | 0   | 2   | 5   | 10  |     |
| RFF 19   | 0             | F     | A        | .17                                   | 0°         | 0°         | 25°        | 66       | 95         | 88       | 98         | 145   | 146 |     | 147 |     | 148 | 149 |     |
| 1-120  |               |       |          |                                       | ↓          | ↓          |            |          | 108        |          |            | 130   | 131 |     | 132 |     | 133 | 134 |     |
| 21   |               |       |          |                                       | 5          | 11.7       |            |          |            |          |            | 105   | 106 |     | 107 |     | 108 | 109 |     |
| 22   |               |       |          |                                       | ↓          | 0          |            |          |            |          |            | 110   | 111 |     | 112 |     | 113 | 114 |     |
| 23   |               |       |          |                                       | 10         | ↓          | ↓          |          |            |          |            | 135   | 136 |     | 137 |     | 138 | 139 |     |
| 24   |               |       |          |                                       | ↓          | 11.7       | 85         |          |            |          |            | 140   | 141 |     | 142 |     | 143 | 144 |     |
| 25   |               |       |          |                                       | 0          | 15         | 25         |          |            |          |            | 129   | 128 |     | 127 |     | 126 | 125 |     |
| 26   | ↓             | ↓     | ↓        |                                       |            | 10         | ↓          |          |            |          |            | 160   | 161 |     | 162 |     | 163 | 164 |     |
| 27   | 0 + GP        | E     | B        |                                       |            | 11.7       | 0          |          |            |          |            | 165   | 166 | 167 | 168 | 169 | 170 | 171 |     |
| 28   |               |       |          |                                       | ↓          |            | 85         |          |            |          |            | 172   | 173 | 174 | 175 | 176 | 177 | 178 |     |
| 29   |               |       |          |                                       | 10         |            | 0          |          |            |          |            | 179   | 180 | 181 | 182 | 183 | 184 | 185 |     |
| 30   | ↓             | D     | ↓        |                                       | -10        |            |            |          |            |          |            | 186   | 187 | 188 | 189 |     | 190 | 191 |     |
| 31   | 0 + GP + SS   | F     | C        | ↓                                     | 0          | ↓          | ↓          | ↓        | ↓          | ↓        | ↓          |   |     |     |     |     |     |     |     |
|  |               |       |          |                                       |            |            |            |          |            |          |            | 0   | 200 | 199 |     | 192 |     | 209 | 210 |
|  |               |       |          |                                       |            |            |            |          |            |          |            | 5   | 201 | 198 |     | 192 |     | 208 | 211 |
|  |               |       |          |                                       |            |            |            |          |            |          |            | 10  | 202 | 197 |     | 192 |     | 207 | 212 |
|  |               |       |          |                                       |            |            |            |          |            |          |            | 15  | 203 | 196 |     | 193 |     | 206 | 213 |
|  |               |       |          |                                       |            |            |            |          |            |          |            | 20  | 204 | 195 |     | 194 |     | 205 | 215 |
|  |               |       |          |                                       |            |            |            |          |            |          |            | $K(C) \equiv \left\{ \begin{array}{l} 0 \\ 5 \\ 10 \\ 15 \\ 20 \end{array} \right.$ |     |     |     |     |     |     |     |
| 1  | 7             | 13    | 19       | 25                                    | 31         | 37         | 43         | 49       | 55         | 61       | 67         | 75  | 76  |     |     |     |     |     |     |
| CHMND, CHMNS, CHMMD, CHMMS                                   |               |       |          |                                       |            |            |            |          |            |          |            | BETA, ALPHA   |     |     |     |     |     |     |     |
| $\alpha$ OR $\beta$  |               |       |          |                                       |            |            |            |          |            |          |            | IDVAR (1) IDVAR (2) NDV   |     |     |     |     |     |     |     |
| SCHEDULES  |               |       |          |                                       |            |            |            |          |            |          |            |   |     |     |     |     |     |     |     |
| $\beta(E) = -10, -5, -2, 0, 2, 5, 10$                        |               |       |          |                                       |            |            |            |          |            |          |            |   |     |     |     |     |     |     |     |
| $\beta(F) = -10 \rightarrow 10^\circ, \Delta\beta = 5^\circ$ |               |       |          |                                       |            |            |            |          |            |          |            |   |     |     |     |     |     |     |     |

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TEST RUN NUMBER

i = H

TABLE II. -- Concluded.

Definition of DATASET IDENTIFIER 4th Character (i)

| <u>4th<br/>Character</u> |   | <u>Type of Data</u>  |
|--------------------------|---|--|
| Force Data               |   |  |
| O                        | ≡ | Aerodynamic force coefficients   |
| H                        | ≡ | Left nose and main landing gear<br>door and strut hinge moment<br>coefficients |
| Pressure Data            |   |  |
| N                        | ≡ | Left nose landing gear door outer<br>surface static pressure coefficients      |
| E                        | ≡ | Left nose landing gear door inner<br>surface static pressure coefficients      |
| M                        | ≡ | Left main landing gear door outer<br>surface static pressure coefficients      |
| F                        | ≡ | Left main landing gear door inner<br>surface static pressure coefficients      |
| P                        | ≡ | Left nose and main landing gear door<br>perimeter static pressure coefficients |
| W                        | ≡ | Left main landing gear strut static<br>pressure coefficients                   |

TABLE III.  
MODEL DIMENSIONAL DATA

MODEL COMPONENT: BODY - B68

GENERAL DESCRIPTION: Configuration 140C orbiter fuselage. Similar to 140A/B fuselage except aft body revised and midbody-wing glove area modified. B68 has the addition of air vent doors and air vent door probes.

MODEL SCALE: 0.0405

DRAWING NUMBER: VL70-000140C, -000202C, -000205A, -000200B, -000203

DIMENSIONS:

|  | <u>FULL SCALE</u> | <u>MODEL SCALE</u> |
|--|-------------------|--------------------|
| Length (IML: Nose @ $X_0 = 238$ ), In. | <u>1290.30</u>    | <u>52.257</u>      |
| Length (OML: Nose @ $X_0 = 235$ ), In. | <u>1293.30</u>    | <u>52.379</u>      |
| Max Width (@ $X_0 = 1528.3$ ), In.     | <u>264.0</u>      | <u>10.692</u>      |
| Max Depth (@ $X = 1464$ ), In.         | <u>250.00</u>     | <u>10.125</u>      |
| Fineness Ratio                         | <u>4.899</u>      | <u>4.899</u>       |
| Area - Ft <sup>2</sup>                 |                   |                    |
| Max. Cross-Sectional                   | <u>340.89</u>     | <u>0.559</u>       |
| Planform                               | <u>          </u> | <u>          </u>  |
| Wetted                                 | <u>          </u> | <u>          </u>  |
| Base                                   | <u>          </u> | <u>          </u>  |

TABLE III (Continued)  
MODEL DIMENSIONAL DATA

MODEL COMPONENT : CANOPY - C<sub>12</sub>

GENERAL DESCRIPTION : Configuration 140C orbiter canopy, vehicle cabin

No. 31 updated to MCR 200-R4. Used with fuselage B<sub>62</sub>.

MODEL SCALE: 0.0405

DRAWING NUMBER : VL70-000140C, -000202B, -000204

| DIMENSIONS :                               | FULL SCALE                  | MODEL SCALE                 |
|--|-----------------------------|-----------------------------|
| Length ( $X_0 = 434.643$ to $578$ ), In.   | <u>143.357</u>              | <u>5.806</u>                |
| Max Width (@ $X_0 = 513.127$ ), In.        | <u>152.412</u>              | <u>6.173</u>                |
| Max Depth ( $Z_0 = 501$ to $449.39$ ), In. | <u>51.61</u>                | <u>2.090</u>                |
| Fineness Ratio                             | <u>                    </u> | <u>                    </u> |
| Area                                       | <u>                    </u> | <u>                    </u> |
| Max. Cross-Sectional                       | <u>                    </u> | <u>                    </u> |
| Planform                                   | <u>                    </u> | <u>                    </u> |
| Wetted                                     | <u>                    </u> | <u>                    </u> |
| Base                                       | <u>                    </u> | <u>                    </u> |

TABLE III (Continued)  
MODEL DIMENSIONAL DATA

MODEL COMPONENT: ELEVON - 655

GENERAL DESCRIPTION: Configuration 140C dual panel elevon. Elevon hinge-  
line at  $X_0 = 1387$ . Elevon split line at  $Y_0 = 281$  to  $312.5$ . Upper wing/  
elevon gap sealed by flipper doors.

MODEL SCALE: 0.0405

DRAWING NUMBER: VL70-000140C, -006089, -000200B, -006092

| <u>DIMENSIONS:</u>                                  | <u>FULL-SCALE</u> | <u>MODEL SCALE</u> |
|---|-------------------|--------------------|
| Area - $\text{Ft}^2$                                | <u>210.00</u>     | <u>0.344</u>       |
| Span (equivalent) , In.                             | <u>349.20</u>     | <u>14.143</u>      |
| Inb'd equivalent chord , In.                        | <u>118.00</u>     | <u>4.779</u>       |
| Outb'd equivalent chord , In.                       | <u>55.19</u>      | <u>2.235</u>       |
| Ratio movable surface chord/<br>total surface chord |                   |                    |
| At Inb'd equiv. chord                               | <u>0.210</u>      | <u>0.210</u>       |
| At Outb'd equiv. chord                              | <u>0.400</u>      | <u>0.400</u>       |
| Sweep Back Angles, degrees                          |                   |                    |
| Leading Edge  | <u>0.0</u>        | <u>0.0</u>         |
| Tailing Edge  | <u>- 10.056</u>   | <u>- 10.056</u>    |
| Hingeline   | <u>0.0</u>        | <u>0.0</u>         |
| (Product of Area & $\bar{c}$ )                      |                   |                    |
| Area Moment (Normal to hingeline), $\text{Ft}^3$    | <u>1587.25</u>    | <u>0.1054</u>      |
| Mean Aerodynamic Chord, In.                         | <u>90.70</u>      | <u>3.673</u>       |

TABLE III (Continued)  
MODEL DIMENSIONAL DATA

MODEL COMPONENT : BODY FLAP - F<sub>10</sub>

GENERAL DESCRIPTION : Configuration 140C body flap. Hingeline  
located at X = 1532, Z<sub>0</sub> = 287.

DRAWING NUMBER : VL70-000140C. -355114

| DIMENSIONS :                               | FULL SCALE        | MODEL SCALE       |
|--|-------------------|-------------------|
| Length ( $X_0=1525.5$ to $X_0=1613$ ), In. | <u>87.50</u>      | <u>3.544</u>      |
| Max Width (@ L.E., $X_0=1525.5$ ), In.     | <u>256.00</u>     | <u>10.368</u>     |
| Max Depth ( $X_0 = 1532$ ), In.            | <u>19.798</u>     | <u>0.802</u>      |
| Fineness Ratio                             | <u>          </u> | <u>          </u> |
| Area                                       | <u>          </u> | <u>          </u> |
| Max. Cross-Sectional (@H.L.)               | <u>35.196</u>     | <u>0.058</u>      |
| Planform                                   | <u>135.00</u>     | <u>0.220</u>      |
| Wetted                                     | <u>          </u> | <u>          </u> |
| Base ( $X_0 = 1613$ )                      | <u>4.89</u>       | <u>0.008</u>      |

TABLE III (Continued)  
MODEL DIMENSIONAL DATA

MODEL COMPONENT: Landing Gear - G<sub>20</sub>

GENERAL DESCRIPTION: G<sub>17</sub> modified to conform to updated drawings V070-510001 and V070-510501, including web-simulation.

Model Scale = 0.0405

Drawing Number: V070-510001, V070-510501

| DIMENSIONS:               | FULL SCALE      | MODEL SCALE    |
|---------------------------|-----------------|----------------|
| NOSE LANDING GEAR         |                 |                |
| STRUT                     |                 |                |
| Number                    | <u>1</u>        | <u>1</u>       |
| Diameter in.              | <u>6.420</u>    | <u>0.260</u>   |
| Length in.                |                 |                |
| Exposed                   | <u>63.704</u>   | <u>2.580</u>   |
| Pivot Point to Wheel Axis | <u>76.543</u>   | <u>3.100</u>   |
| Pivot Point Location in.  |                 |                |
| X <sub>o</sub>            | <u>375.506</u>  | <u>15.208</u>  |
| Z <sub>o</sub>            | <u>298.000</u>  | <u>12.069</u>  |
| WHEELS                    |                 |                |
| Number                    | <u>2</u>        | <u>2</u>       |
| Diameter in.              | <u>32.099</u>   | <u>1.300</u>   |
| Width in.                 | <u>9.877</u>    | <u>0.400</u>   |
| Axis Location in.         |                 |                |
| X <sub>o</sub>            | <u>370.167</u>  | <u>14.992</u>  |
| Y <sub>o</sub>            | <u>0.0</u>      | <u>0.0</u>     |
| Z <sub>o</sub>            | <u>221.643</u>  | <u>8.977</u>   |
| DOORS                     |                 |                |
| Side                      |                 |                |
| Number                    | <u>2</u>        | <u>2</u>       |
| Length in.                | <u>108.47</u>   | <u>4.393</u>   |
| Height in.                | <u>20.543</u>   | <u>0.832</u>   |
| Area Ft <sup>2</sup>      | <u>--</u>       | <u>--</u>      |
| Hingeline Location        |                 |                |
| X <sub>o</sub>            | <u>--</u>       | <u>--</u>      |
| Y <sub>o</sub>            | <u>+ 28.494</u> | <u>+ 1.154</u> |
| Z <sub>o</sub>            | <u>301.836</u>  | <u>12.224</u>  |
| End                       |                 |                |
| Number                    | <u>NONE</u>     | <u>NONE</u>    |
| Length in.                |                 |                |
| Depth in.                 |                 |                |
| Area Ft <sup>2</sup>      |                 |                |
| Hingeline Location        |                 |                |
| X <sub>o</sub>            |                 |                |
| Y <sub>o</sub>            |                 |                |
| Z <sub>o</sub>            |                 |                |



TABLE III (Continued)

MODEL COMPONENT: Landing Gear - G<sub>20</sub> (Continued)DIMENSIONS:FULL SCALEMODEL SCALEMAIN LANDING GEARSTRUT

Number  
Diameter in.  
Length in.  
Exposed  
Pivot Point to Wheel Axis  
Pivot Point Location in.  
X<sub>0</sub>  
Z<sub>0</sub>

2  
9.383  
37.901  
107.901  
1180.0  
283.012

2  
0.380  
3.560  
4.370  
47.790  
11.462

WHEELS

Number  
Diameter in.  
Width in.  
Axis Location in.  
X<sub>0</sub>  
Y<sub>0</sub>  
Z<sub>0</sub>

4  
49.383  
17.778  
1172.473  
+ 136.000  
175.372

4  
2.000  
0.720  
47.485  
+ 5.508  
7.103

DOORSSide

Number  
Length in.  
Height in.  
Area Ft<sup>2</sup>  
Hingeline Location  
X<sub>0</sub>  
Y<sub>0</sub>  
Z<sub>0</sub>

2  
151.012  
62.469  
174.000  
+ 282.148

2  
6.116  
2.530  
7.047  
+ 11.427

END

Number  
Length in.  
Depth in.  
Area Ft<sup>2</sup>  
Hingeline Location  
X<sub>0</sub>  
Y<sub>0</sub>  
Z<sub>0</sub>

NONE

NONE

TABLE III (Continued)  
MODEL DIMENSIONAL DATA

MODEL COMPONENT : OMS POD - M<sub>16</sub>

GENERAL DESCRIPTION : Configuration 140C orbiter OMS pod - short pod.

MODEL SCALE: 0.0405

DRAWING NUMBER: VL70-008401, -008410

| DIMENSIONS :                             | FULL SCALE                  | MODEL SCALE                 |
|--|-----------------------------|-----------------------------|
| Length (OMS Fwd Sta. $X_0=1310.5$ ), In. | <u>258.50</u>               | <u>10.469</u>               |
| Max Width (@ $X_0 = 1511$ ), In.         | <u>136.8</u>                | <u>5.540</u>                |
| Max Depth (@ $X_0 = 1511$ ), In.         | <u>74.70</u>                | <u>3.025</u>                |
| Fineness Ratio                           | <u>                    </u> | <u>                    </u> |
| Area - Ft <sup>2</sup>                   | <u>                    </u> | <u>                    </u> |
| Max. Cross-Sectional                     | <u>58.864</u>               | <u>0.0966</u>               |
| Planform                                 | <u>                    </u> | <u>                    </u> |
| Wetted                                   | <u>                    </u> | <u>                    </u> |
| Base                                     | <u>                    </u> | <u>                    </u> |

TABLE III (Continued)

## MODEL DIMENSIONAL DATA

MODEL COMPONENT: OMS NOZZLES - N<sub>28</sub>

GENERAL DESCRIPTION: Configuration 140C .. orbiter OMS Nozzles.

MODEL SCALE: 0,0405

DRAWING NUMBER: VL70-000140A (Location), SS-A00106, Release 5 (Contour)

| DIMENSIONS:                    | FULL SCALE | MODEL SCALE |
|--------------------------------|------------|-------------|
| MACH NO.                       |            |             |
| Length - In.                   |            |             |
| Gimbal Point to Exit Plane     |            |             |
| Throat to Exit Plane           |            |             |
| Diameter - In.                 |            |             |
| Exit                           |            |             |
| Throat                         |            |             |
| Inlet                          |            |             |
| Area - ft <sup>2</sup>         |            |             |
| Exit                           |            |             |
| Throat                         |            |             |
| Gimbal Point (Station) - In.   |            |             |
| Left <del>Upper</del> Nozzle   |            |             |
| X <sub>0</sub>                 | 1518.00    | 61.479      |
| Y <sub>0</sub>                 | - 88.0     | - 3.564     |
| Z <sub>0</sub>                 | 492.0      | 19.926      |
| Right <del>Lower</del> Nozzles |            |             |
| X <sub>0</sub>                 | 1518.00    | 61.479      |
| Y <sub>0</sub>                 | 88.00      | 3.564       |
| Z <sub>0</sub>                 | 492.00     | 19.926      |
| Null Position - Deg.           |            |             |
| Left <del>Upper</del> Nozzle   |            |             |
| Pitch                          | 15°49'     | 15°49'      |
| Yaw                            | 12°17'     | 12°17'      |
| Right <del>Lower</del> Nozzle  |            |             |
| Pitch                          | 15°49'     | 15°49'      |
| Yaw                            | 12°17'     | 12°17'      |

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TABLE III (Continued)

## MODEL DIMENSIONAL DATA

MODEL COMPONENT : RUDDER - R<sub>5</sub>GENERAL DESCRIPTION : Configuration 140C orbiter rudder (identical to configuration 140A/B rudder).MODEL SCALE: 0.0405DRAWING NUMBER VL70-000146B, -000095

| DIMENSIONS  | FULL SCALE                  | MODEL SCALE                 |
|---|-----------------------------|-----------------------------|
| Area - Ft <sup>2</sup>                              | <u>100.15</u>               | <u>0.1643</u>               |
| Span (equivalent), In.                              | <u>201.00</u>               | <u>8.141</u>                |
| Inb'd equivalent chord                              | <u>91.585</u>               | <u>3.709</u>                |
| Outb'd equivalent chord                             | <u>50.833</u>               | <u>2.059</u>                |
| Ratio movable surface chord/<br>total surface chord | <u>                    </u> | <u>                    </u> |
| At Inb'd equiv. chord                               | <u>0.400</u>                | <u>0.400</u>                |
| At Outb'd equiv. chord                              | <u>0.400</u>                | <u>0.400</u>                |
| Sweep Back Angles, degrees                          | <u>                    </u> | <u>                    </u> |
| Leading Edge  | <u>34.83</u>                | <u>34.83</u>                |
| Trailing Edge                                       | <u>26.25</u>                | <u>26.25</u>                |
| Hingeline   | <u>34.83</u>                | <u>34.83</u>                |
| (Product of Area & $\bar{c}$ )                      | <u>                    </u> | <u>                    </u> |
| Area Moment (Normal to Hingeline), Ft <sup>3</sup>  | <u>610.92</u>               | <u>0.0406</u>               |
| Mean Aerodynamic Chord, In.                         | <u>73.2</u>                 | <u>2.965</u>                |

TABLE III (Continued)

## MODEL DIMENSIONAL DATA

MODEL COMPONENT: VERTICAL - V<sub>8</sub>GENERAL DESCRIPTION: Configuration 140C orbiter vertical tail (identical to configuration 140A/B vertical tail).MODEL SCALE: 0.0405DRAWING NUMBER: VL70-000140C, 70-000146B

## DIMENSIONS:

FULL SCALEMODEL SCALE

## TOTAL DATA

|                               |                |               |
|-------------------------------|----------------|---------------|
| Area (Theo) - Ft <sup>2</sup> |                |               |
| Planform                      | <u>413.253</u> | <u>0.678</u>  |
| Span (Theo) - In.             | <u>315.72</u>  | <u>12.787</u> |
| Aspect Ratio                  | <u>1.675</u>   | <u>1.675</u>  |
| Rate of Taper                 | <u>0.507</u>   | <u>0.507</u>  |
| Taper Ratio                   | <u>0.404</u>   | <u>0.404</u>  |
| Sweep-Back Angles, Degrees.   |                |               |
| Leading Edge                  | <u>45.00</u>   | <u>45.00</u>  |
| Trailing Edge                 | <u>26.25</u>   | <u>26.25</u>  |
| 0.25 Element Line             | <u>41.13</u>   | <u>41.13</u>  |
| Chords:                       |                |               |
| Root (Theo) WP                | <u>268.50</u>  | <u>10.874</u> |
| Tip (Theo) WP                 | <u>108.47</u>  | <u>4.393</u>  |
| MAC                           | <u>199.81</u>  | <u>8.092</u>  |
| Fus. Sta. of .25 MAC          | <u>1463.35</u> | <u>59.272</u> |
| W.P. of .25 MAC               | <u>635.52</u>  | <u>25.738</u> |
| B.L. of .25 MAC               | <u>0.00</u>    | <u>0.00</u>   |
| Airfoil Section               |                |               |
| Leading Wedge Angle - Deg.    | <u>10.00</u>   | <u>10.00</u>  |
| Trailing Wedge Angle - Deg.   | <u>14.92</u>   | <u>14.92</u>  |
| Leading Edge Radius           | <u>2.00</u>    | <u>0.0810</u> |
| Void Area                     | <u>13.17</u>   | <u>0.022</u>  |
| Blanketed Area                | <u>0.0</u>     | <u>0.0</u>    |

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TABLE III. (Continued)  
MODEL DIMENSIONAL DATA

|  |  |             |
|--|--|-------------|
| MODEL COMPONENT: <u>WING-W<sub>127</sub></u>   |  |             |
| GENERAL DESCRIPTION: <u>Configuration 140C orbiter wing, MCR 200-R4, similar to 140A/B wing W<sub>116</sub> but with refinements: improved wing-boot-midbody fairing (<math>X_0 = 94.0</math> to <math>X_0 = 104.0</math>); elevon split line relocated from <math>Y_0 = 281</math> to <math>Y_0 = 312.5</math>.</u> |  |             |
| MODEL SCALE: <u>0.0405</u>   |  |             |
| TEST NO.   | DWG. NO. <u>VL70-000140C, -000200B</u> |             |
| DIMENSIONS:  | FULL-SCALE                             | MODEL SCALE |
| TOTAL DATA   |  |             |
| Area (Theo.) $\text{Ft}^2$   |  |             |
| Planform   | 2690.00                                | 4.412       |
| Span (Theo) In.  | 936.68                                 | 37.936      |
| Aspect Ratio   | 2.265                                  | 2.265       |
| Rate of Taper  | 1.177                                  | 1.177       |
| Taper Ratio  | 0.200                                  | 0.200       |
| Dihedral Angle, degrees  | 3.500                                  | 3.500       |
| Incidence Angle, degrees   | 0.500                                  | 0.500       |
| Aerodynamic Twist, degrees   |  |             |
| Sweep Back Angles, degrees   |  |             |
| Leading Edge   | 45.000                                 | 45.000      |
| Trailing Edge  | - 10.056                               | - 10.056    |
| 0.25 Element Line  | 35.209                                 | 35.209      |
| Chords:  |  |             |
| Root (Theo) B.P.O.O.   | 689.24                                 | 27.914      |
| Tip, (Theo) B.P.   | 137.85                                 | 5.583       |
| MAC  | 474.81                                 | 19.230      |
| Fus. Sta. of .25 MAC   | 1136.83                                | 46.042      |
| W.P. of .25 MAC  | 290.58                                 | 11.769      |
| B.L. of .25 MAC  | 182.13                                 | 7.736       |
| EXPOSED DATA   |  |             |
| Area (Theo) $\text{Ft}^2$  | 1751.50                                | 2.873       |
| Span, (Theo) In. BP108   | 720.68                                 | 29.188      |
| Aspect Ratio   | 2.059                                  | 2.059       |
| Taper Ratio  | 0.245                                  | 0.245       |
| Chords   |  |             |
| Root BP108   | 562.09                                 | 22.765      |
| Tip 1.00 $\frac{b}{2}$   | 137.85                                 | 5.583       |
| MAC  | 392.83                                 | 15.910      |
| Fus. Sta. of .25 MAC   | 1185.98                                | 48.032      |
| W.P. of .25 MAC  | 294.30                                 | 11.919      |
| B.L. of .25 MAC  | 251.77                                 | 10.197      |
| Airfoil Section (Rockwell Mod NASA) XXXX-64  |  |             |
| Root $\frac{b}{2}$   | 0.113                                  | 0.113       |
| Tip $\frac{b}{2}$  | 0.120                                  | 0.120       |
| Data for (1) of (2) Sides  |  |             |
| Leading Edge Cuff $\text{Ft}^2$  | 113.18                                 | 0.186       |
| Planform Area $\text{Ft}^2$  | 500.00                                 | 20.250      |
| Leading Edge Intersects Fus M. L. @ Sta  | 1024.00                                | 41.472      |
| Leading Edge Intersects Wing @ Sta   |  |             |

TABLE III. (Concluded)  
MODEL DIMENSIONAL DATA

MODEL COMPONENT: TRANSITION GRIT - X<sub>9</sub>

GENERAL DESCRIPTION: Grit located on model nose and all swept surfaces  
to provide forced boundary layer transition.

---

NOMINAL GRIT DIAMETER - IN.

|          |        |
|----------|--------|
| Fuselage | 0.0054 |
|----------|--------|

|                              |        |
|------------------------------|--------|
| All surfaces except fuselage | 0.0076 |
|------------------------------|--------|

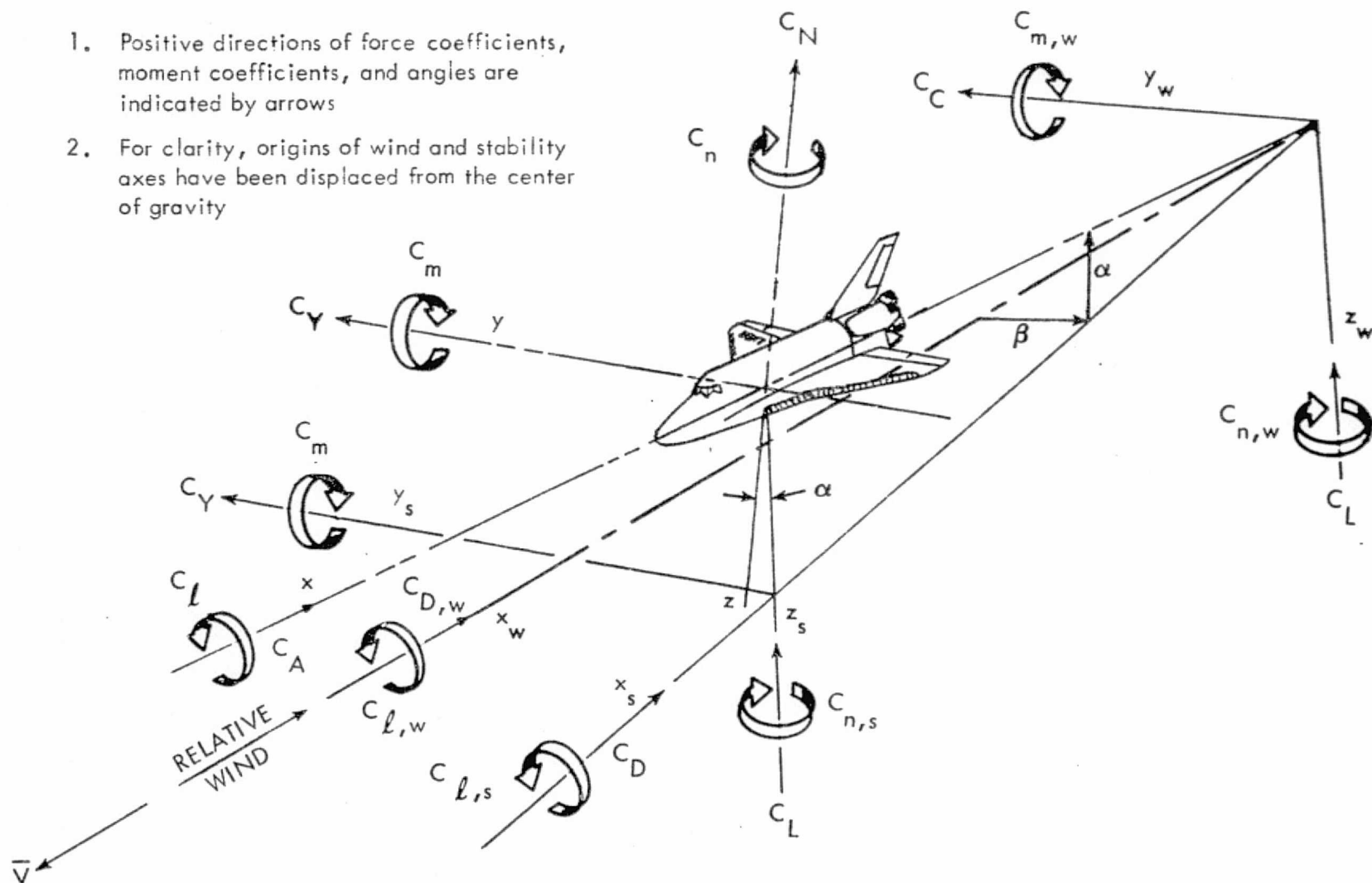
|                       |      |
|-----------------------|------|
| STRIP THICKNESS - In. | 0.10 |
|-----------------------|------|

LOCATION:

|  |      |
|--|------|
| Inches aft of local leading edge<br>(streamwise) | 1.00 |
|--|------|

Notes:

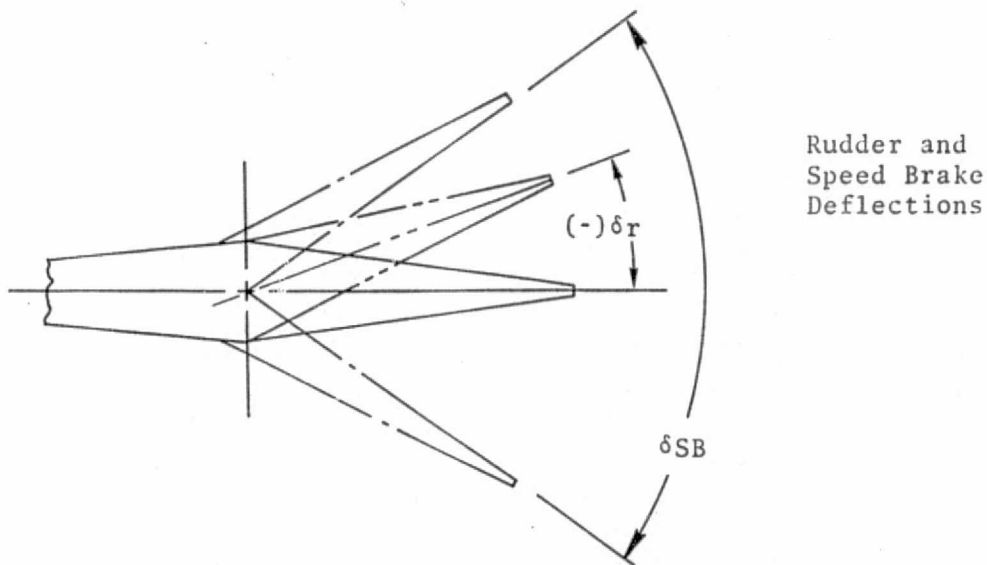
1. Positive directions of force coefficients, moment coefficients, and angles are indicated by arrows
2. For clarity, origins of wind and stability axes have been displaced from the center of gravity



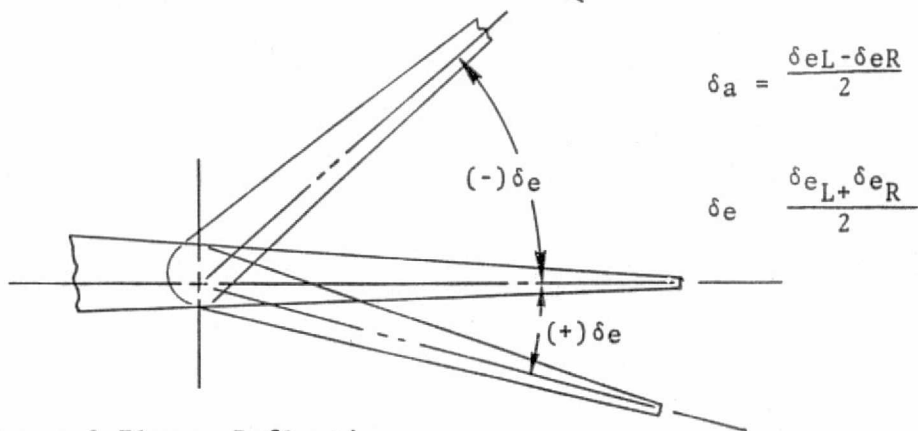
a. Axis Systems

Figure 1. Axis Systems and Sign Conventions

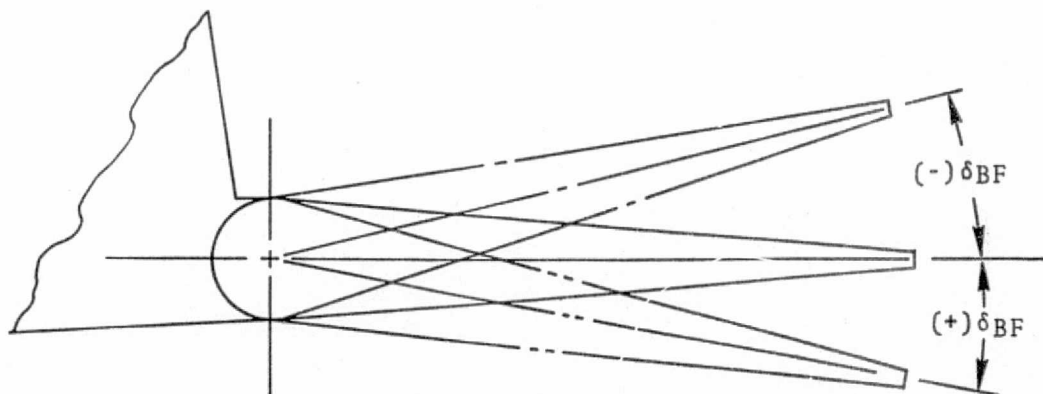




Rudder and  
Speed Brake  
Deflections

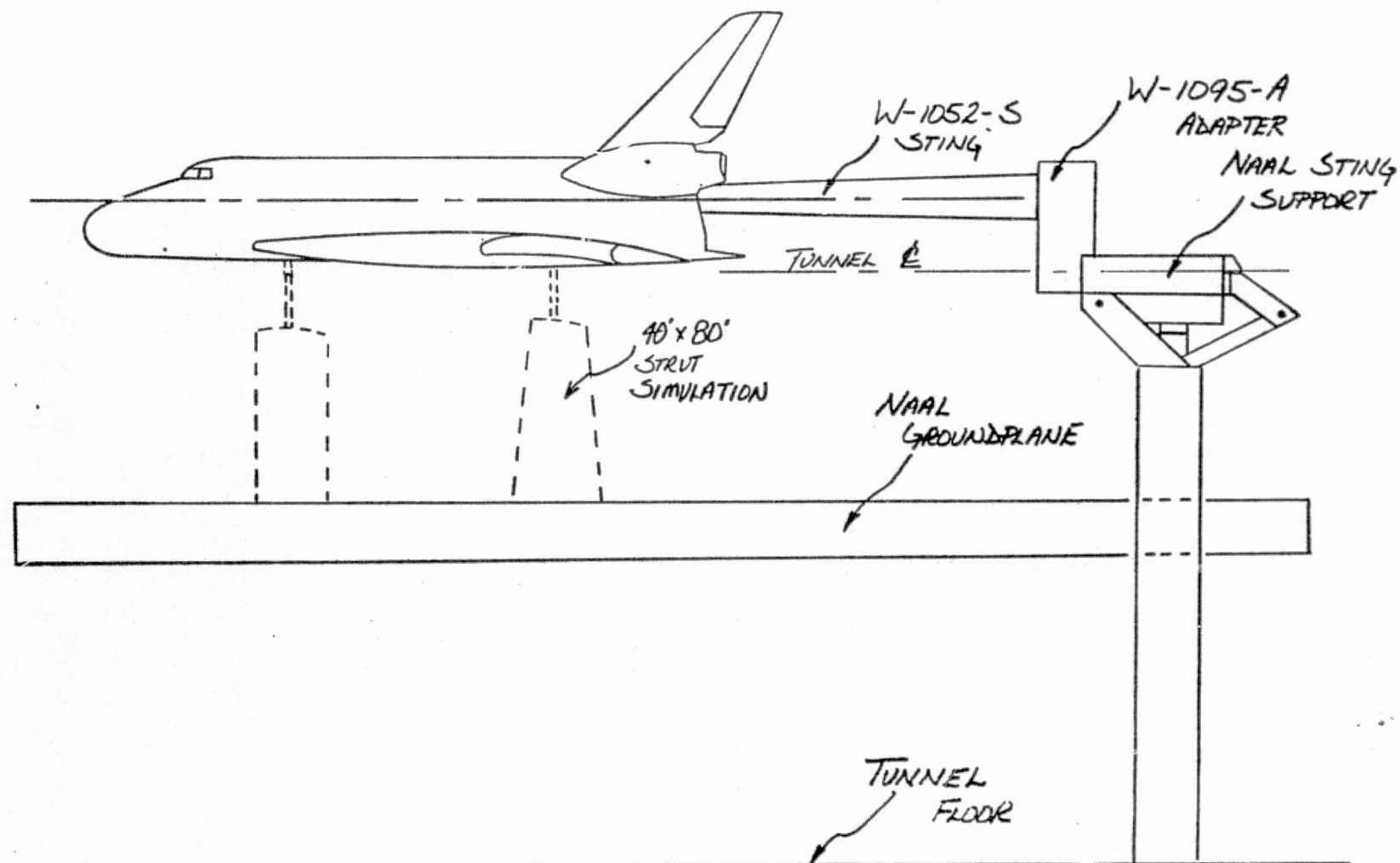


Aileron & Elevon Deflections

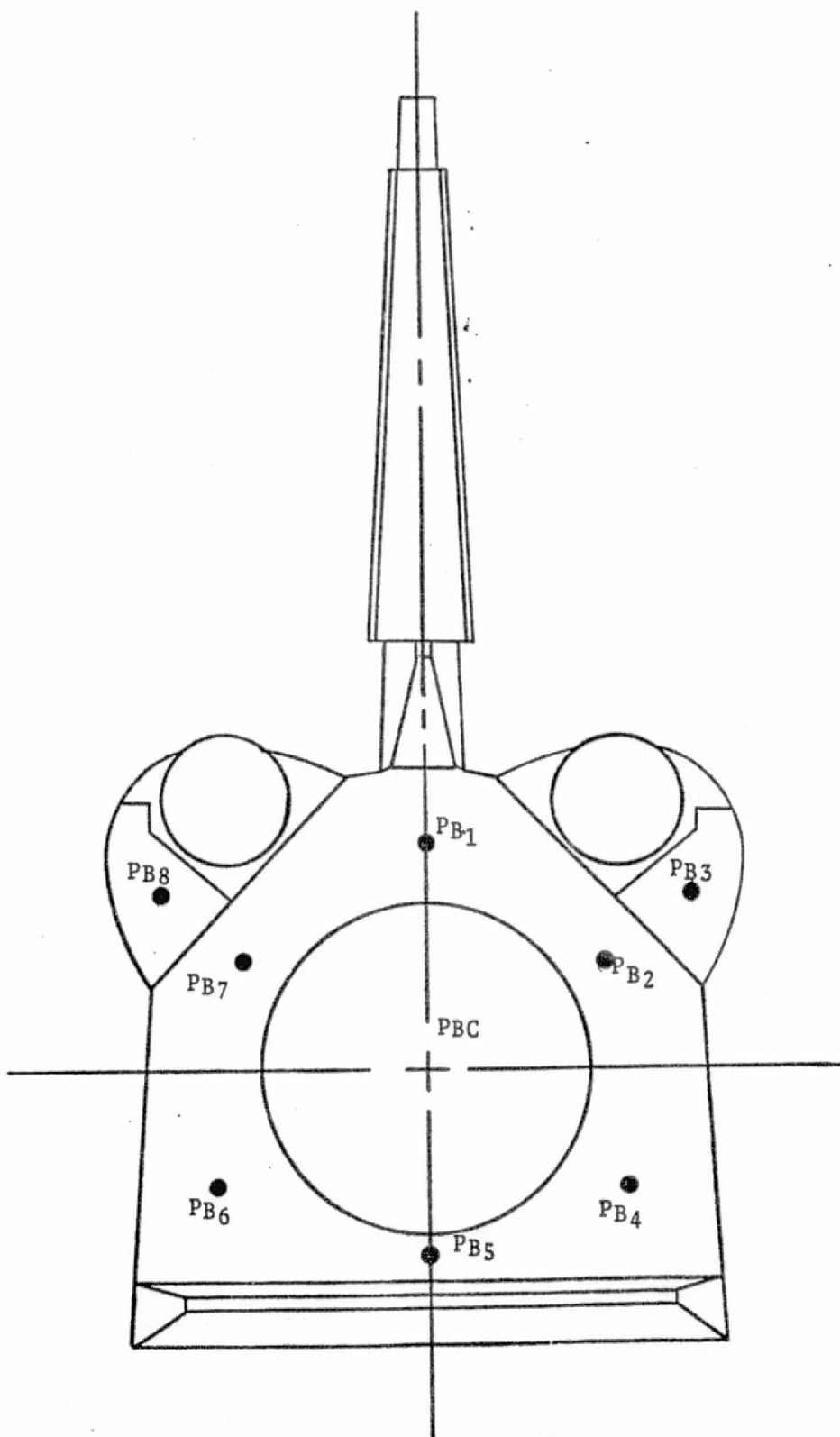


Body Flap Deflections

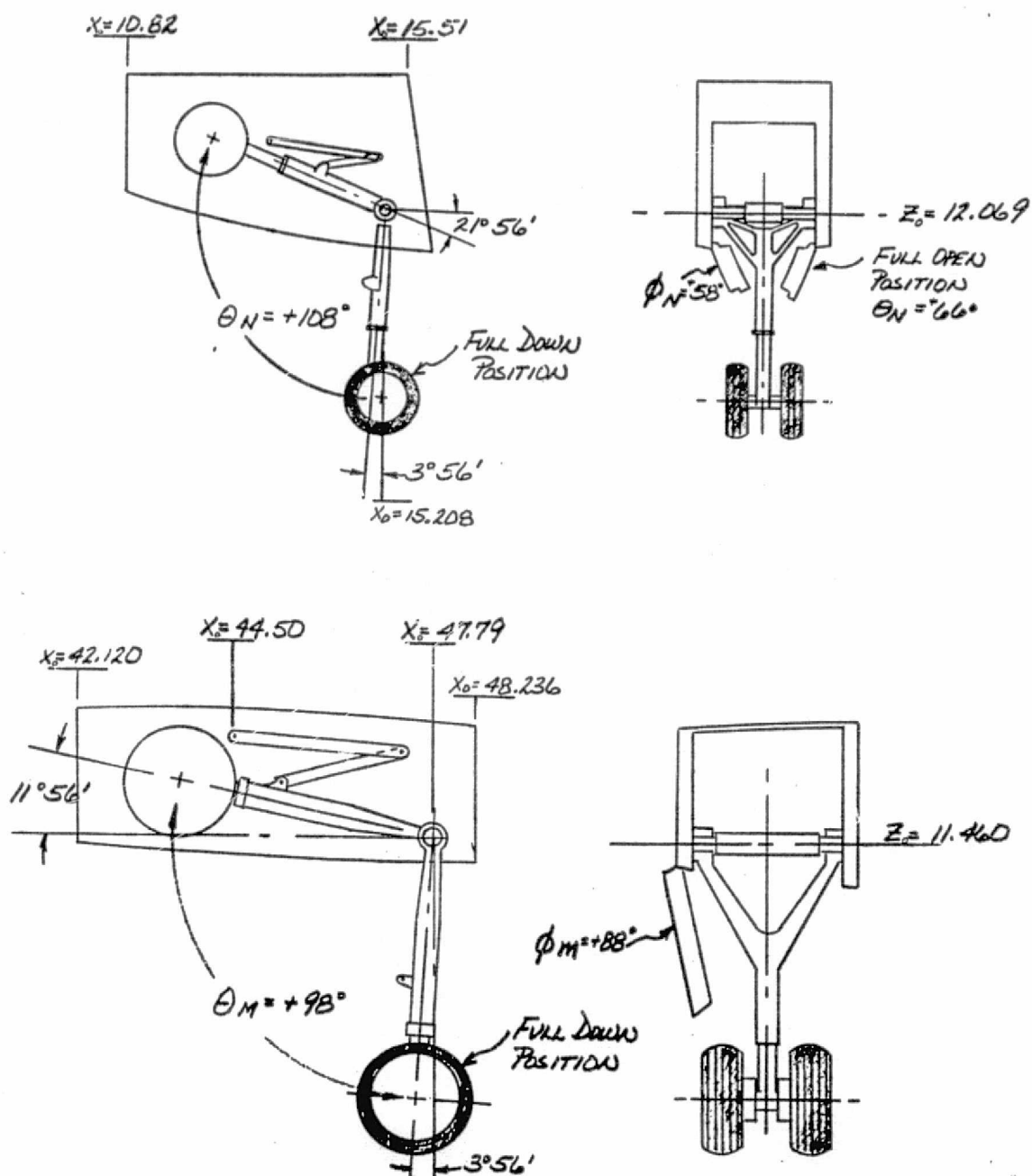
b. Sign Convention for Control Surfaces  
Figure 1. Axis Systems and Sign Conventions



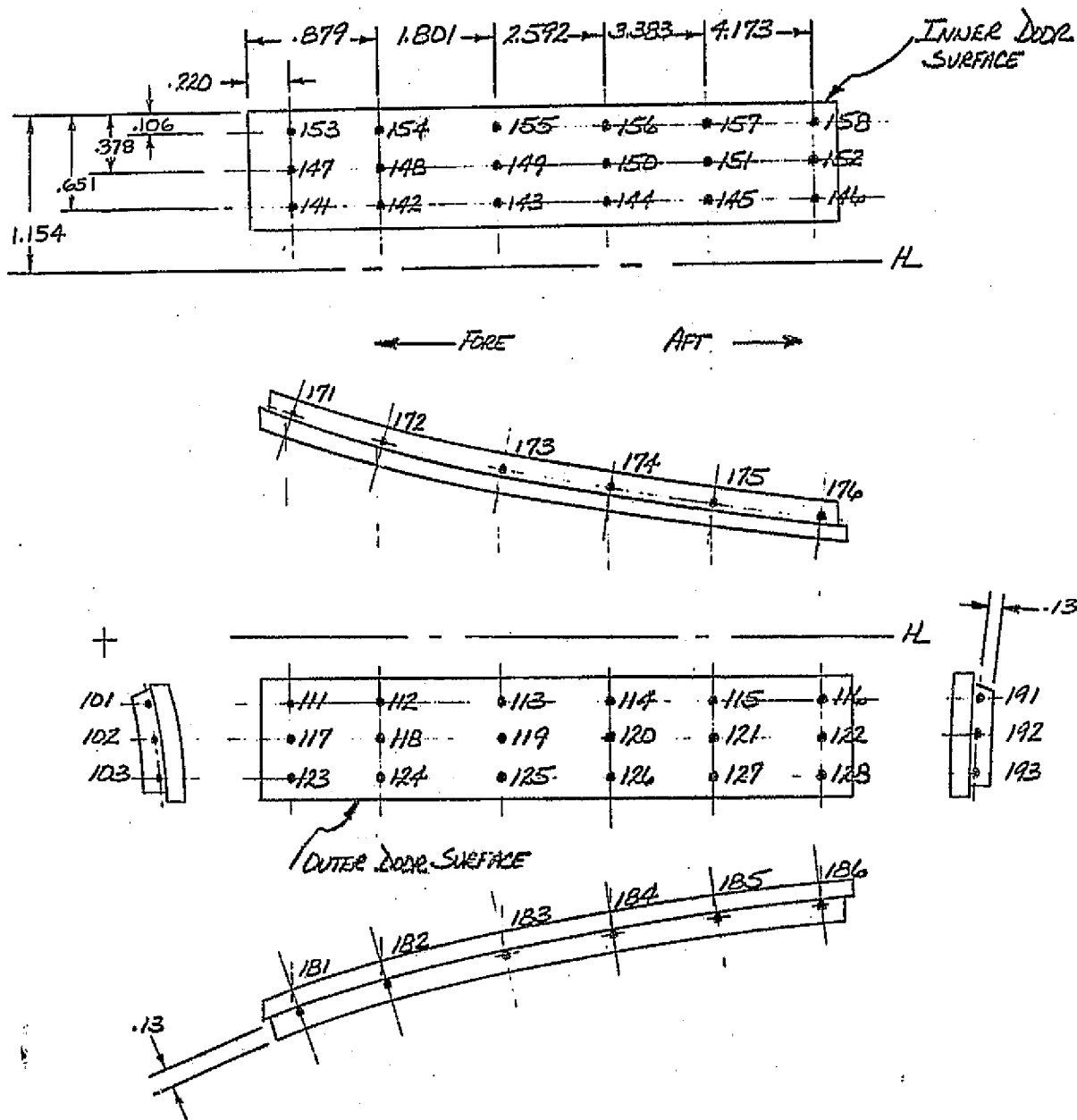
a. NAAL Tunnel Installation  
Figure 2. Model sketches



b. Model Base Pressure Instrumentation  
Figure 2. Model sketches

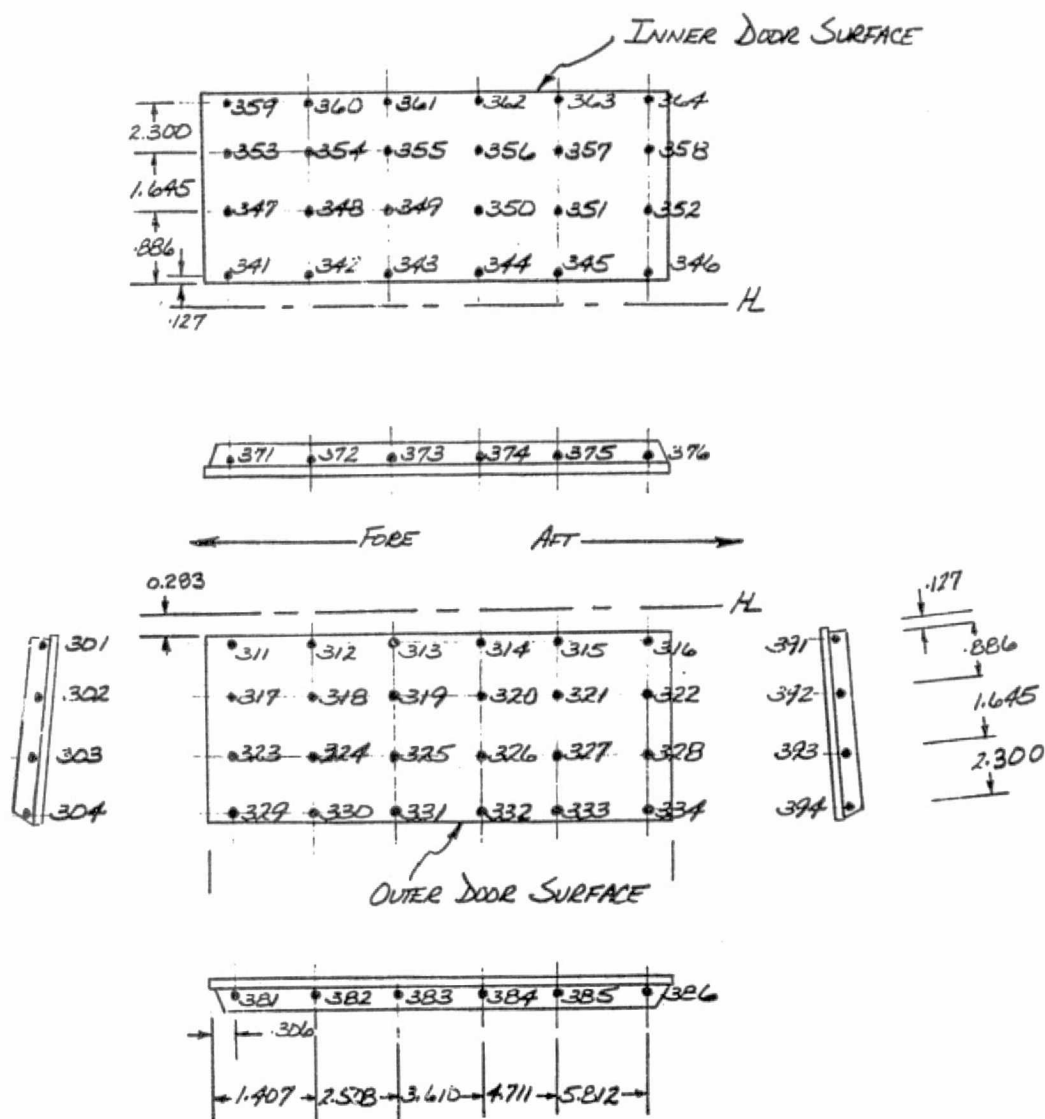


c. Sign Convention for Landing Gear  
Figure 2. Model sketches

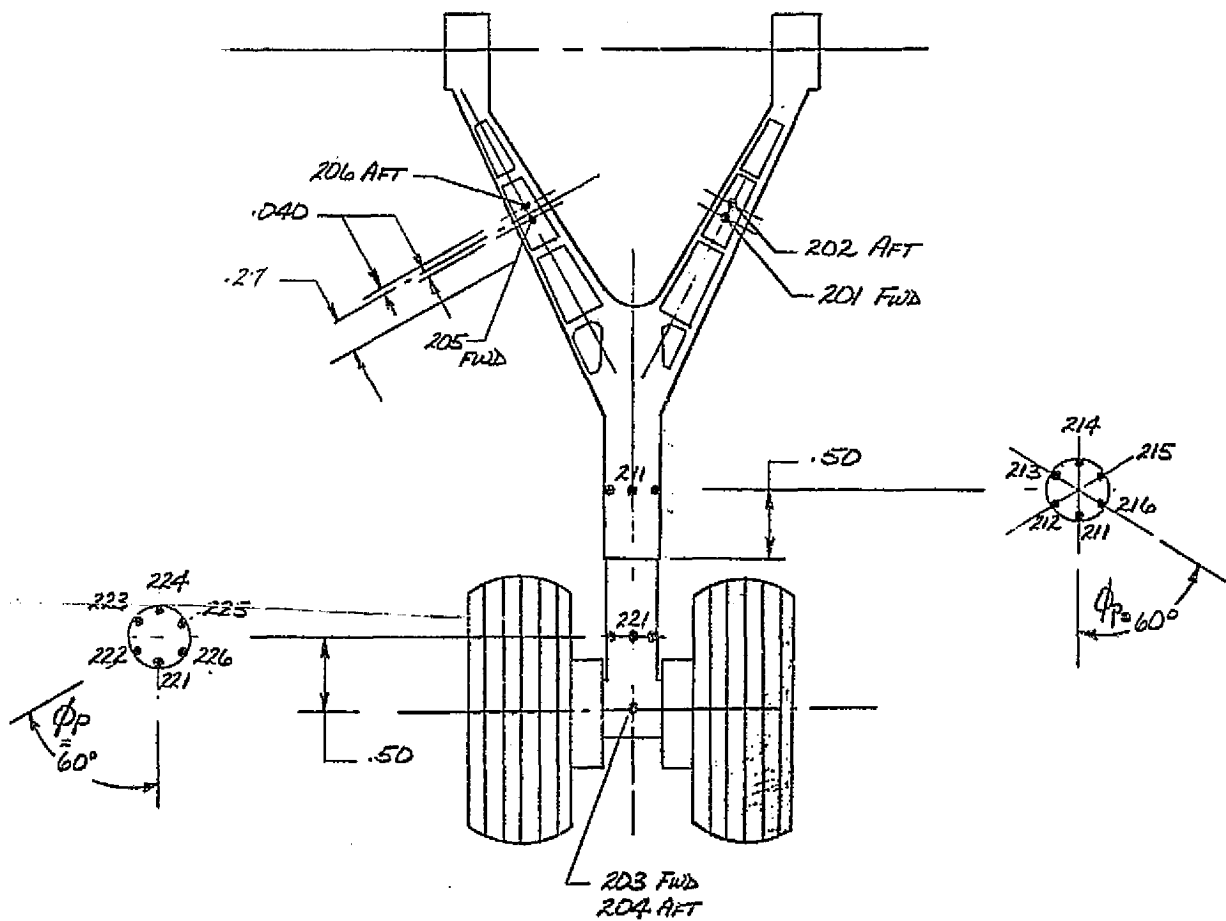


d. L. H. NLG Door Pressure Instrumentation  
Figure 2. Model sketches

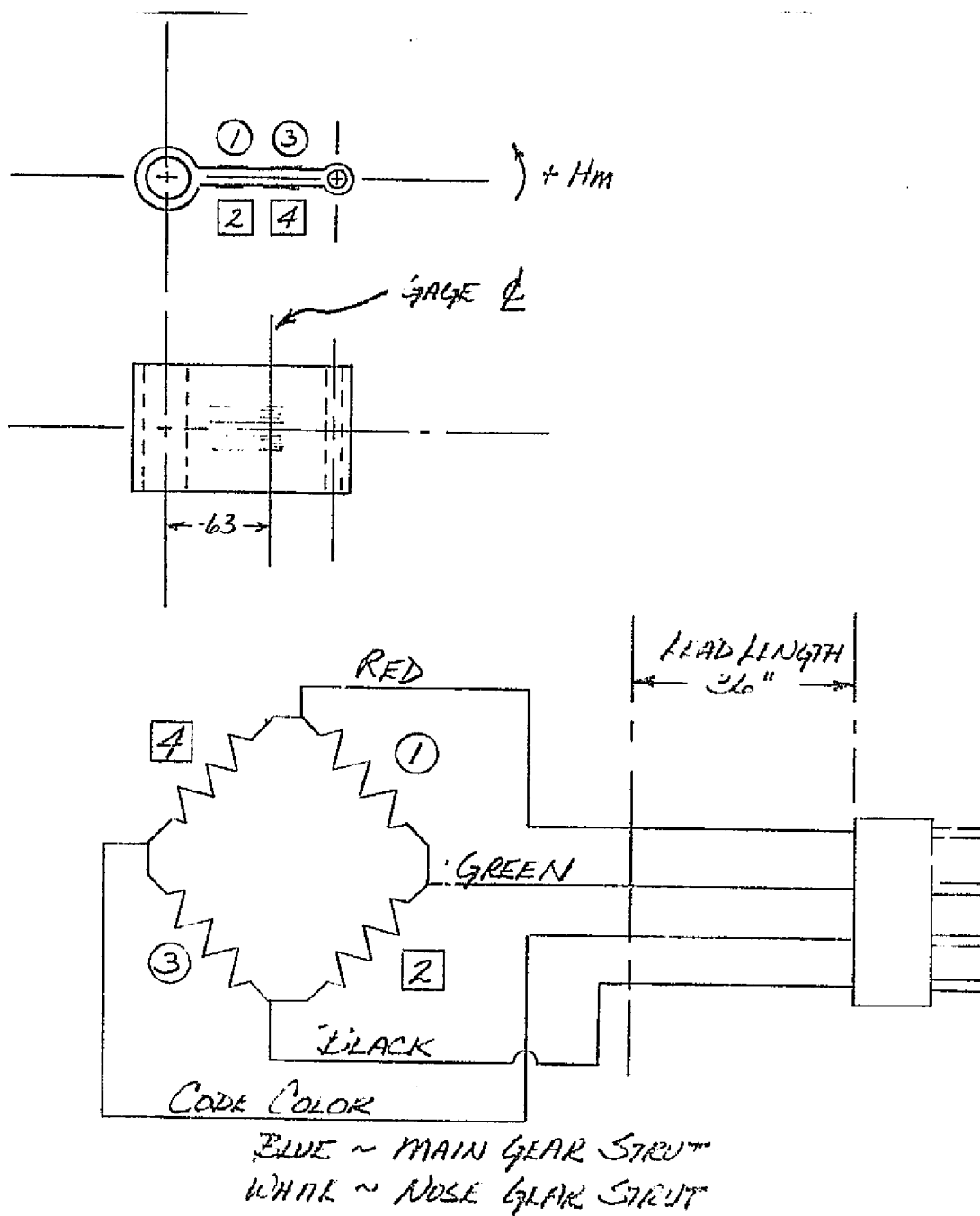
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e. L. H. MIG Door Pressure Instrumentation  
 Figure 2. Model sketches

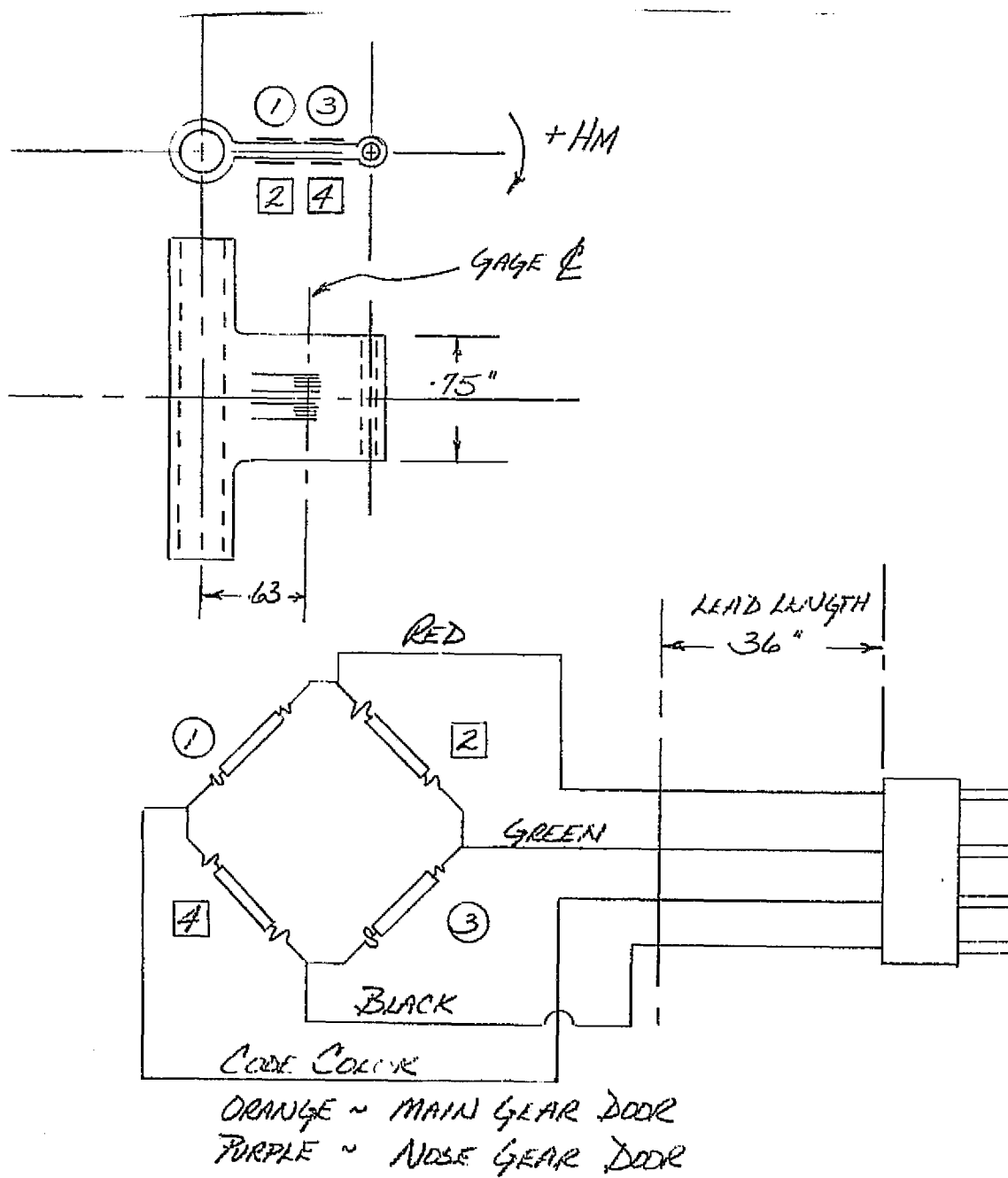


f. L. H. MLG Strut Pressure Instrumentation  
Figure 2. Model sketches

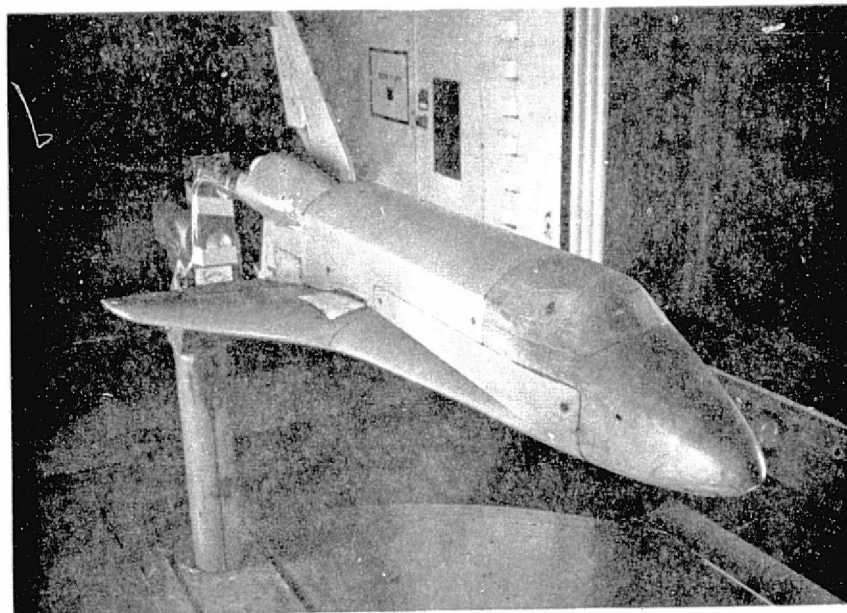


g. Typical Landing Gear Strut Strain Gage Instrumentation  
Figure 2. Model sketches

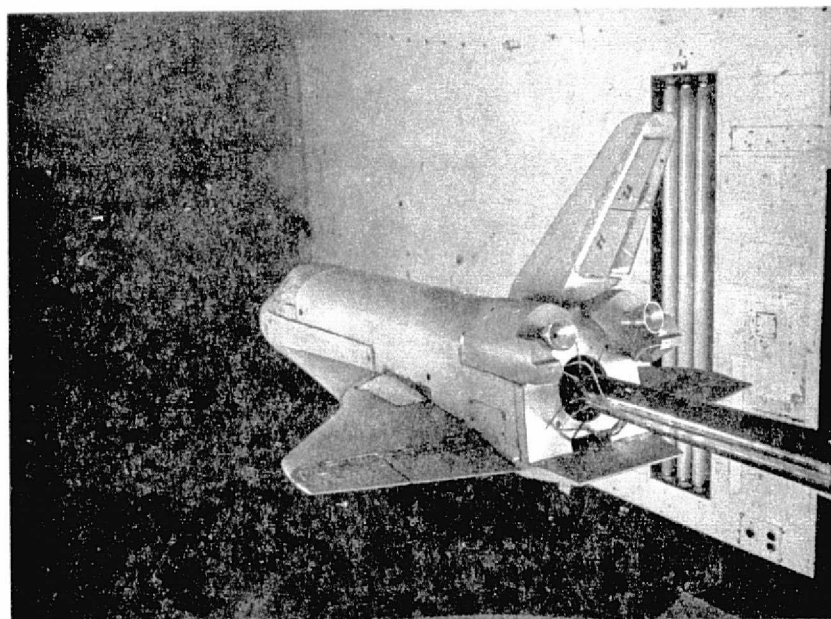




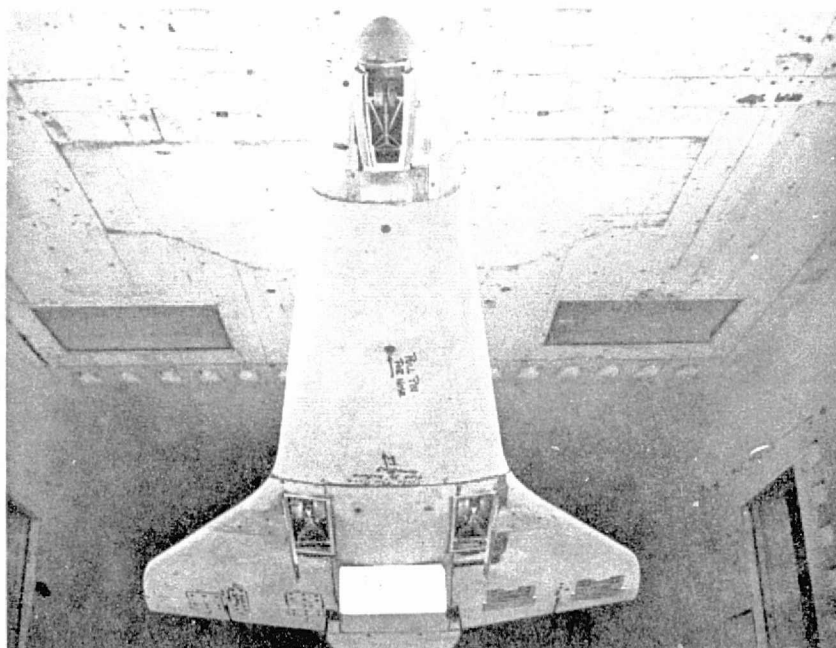
h. Typical Landing Gear Door Strain Gage Instrumentation  
Figure 2. Model sketches



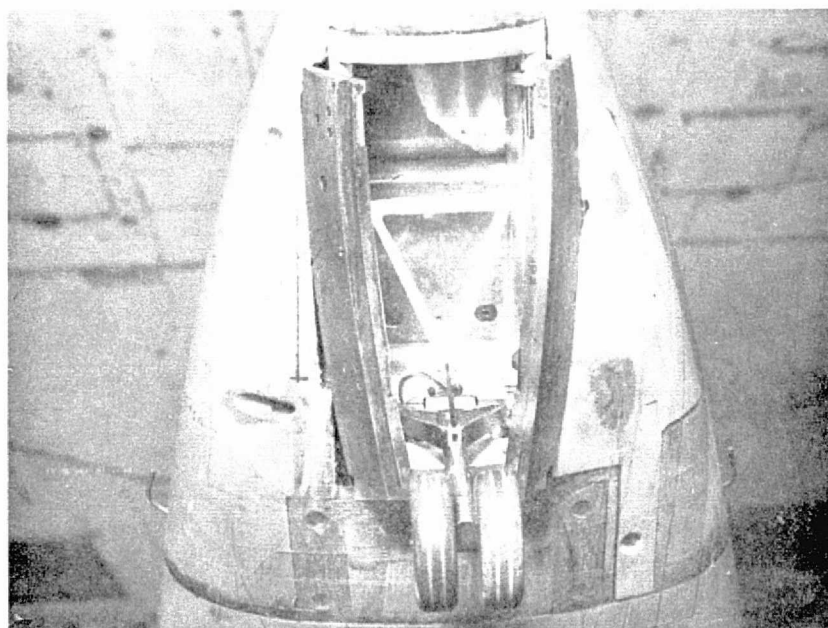
a. NAAL Installation, Front View, Model Configuration  
B68C12G20M16N28W127E55F10V8R5X9  
Figure 3. Model photographs



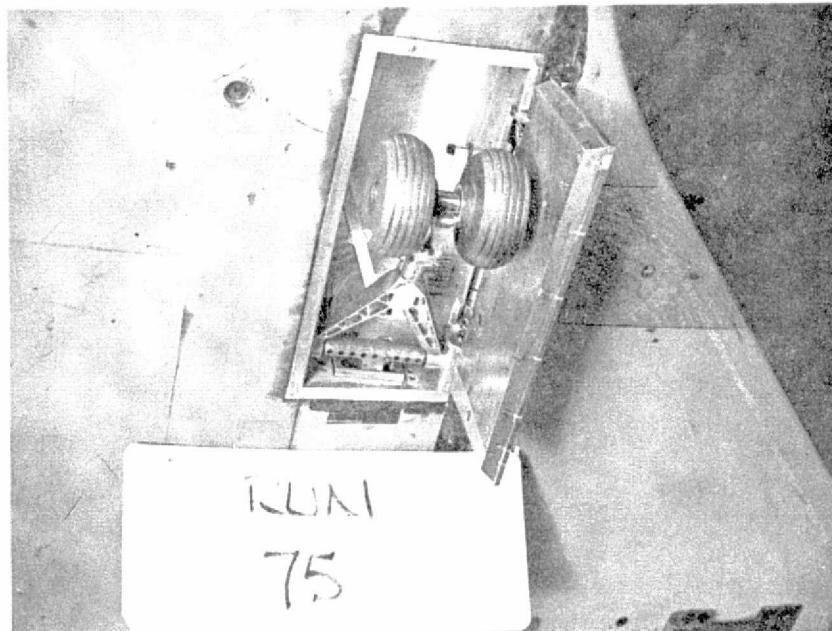
b. NAAL Installation, Rear view, Model Configuration  
B68C12G20M16N28W127E55F10V8R5X9  
Figure 3. Model photographs



c. NAAL Installation, Bottom View, Model Configuration  
B68C12G20M16N28W127E55F10V8R5X9

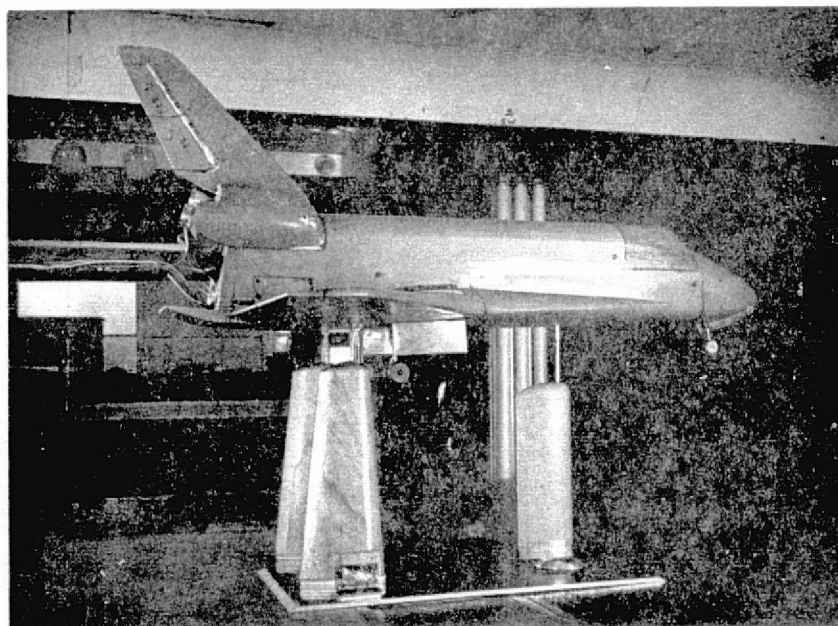


d. Nose Landing Gear,  $\theta_N = 108^\circ$ ,  $\phi_N = 66^\circ$   
Figure 3. Model photographs



e. Main Landing Gear,  $\theta_M = 35^\circ$ ,  $\phi_M = 88^\circ$

Figure 3. Model photographs



f. NAAL Installation, Side View, Model Configuration  
B68C12G20M16N28W127E55F10V8R5X9 + 40' x 80' Strut Simulation

Figure 3. Model photographs

# APPENDIX

## VOLUME 3

| Volume | Tabulated Pressure Data                      | Fourth<br>Character * | Page      |
|--------|--|-----------------------|-----------|
| 2      | Nose landing gear door outer surface         | N                     | 1-351     |
|        | Nose landing gear door inner surface         | E                     | 352-702   |
| 3      | Main landing gear door outer surface         | M                     | 703-1053  |
|        | Main landing gear door inner surface         | F                     | 1054-1404 |
| 4      | Nose and main landing gear door<br>perimeter | P                     | 1405-1755 |
|        | Main landing gear strut                      | W                     | 1756-2106 |

\* The fourth character in each dataset identifier (i.e., RFFPXX, for perimeter) represents the individual component.

Tabulations of plotted data are available  
on request from Data Management Services.

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DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

PAGE 703

OA163 ORB

MAIN CEAR DOOR OUTER SURFACE

(RFFM01) ( 03 FEB 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
LREF = 474.8100 INCHES YMRP = .0000 IN. YO  
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
SCALE = .0405

PARAMETRIC DATA

MACH = .170 ELEVON = .000  
BDFLAP = .000 SPDBRK = 25.000  
PHI-N = .000 THETAN = .000  
PHI-M = .000 THETAM = .000

BETA ( 1 ) = -10.120 ALPHA ( 1 ) = .010 Q(PSF) = 42.852 PO/PSF = 2113.5 RUN NO = 5.0000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.1422 -.1526 -.1215 -.1890  
.230 -.1353 -.1492 -.1620 -.2236  
.410 -.1371 -.1405 -.1561 -.1941  
.590 -.1284 -.1388 -.1474 -.1578  
.770 -.1284 -.1353 -.1474 -.1630  
.878 -.1319 -.1336 -.1336 -.1561

BETA ( 1 ) = -10.120 ALPHA ( 2 ) = 2.090 Q(PSF) = 42.852 PO/PSF = 2113.5 RUN NO = 5.0000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.0953 -.0936 -.1126 -.1368  
.230 -.0936 -.1143 -.1178 -.1368  
.410 -.0919 -.0901 -.0988 -.1178  
.590 -.0867 -.0936 -.0953 -.0970  
.770 -.0901 -.0936 -.1022 -.1126  
.878 -.0936 -.0953 -.0953 -.1091

BETA ( 1 ) = -10.120 ALPHA ( 3 ) = 4.220 Q(PSF) = 42.852 PO/PSF = 2113.5 RUN NO = 5.0000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.0452 -.0383 -.0866 -.0728  
.230 -.0452 -.0677 -.0539 -.0539  
.410 -.0470 -.0401 -.0401 -.0418  
.590 -.0452 -.0470 -.0452 -.0366  
.770 -.0504 -.0521 -.0556 -.0625  
.878 -.0573 -.0556 -.0504 -.0608

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

PAGE 704

OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM01)

BETA ( 1 ) = -10.120 ALPHA ( 4 ) = 6.200 Q(PSF) = 42.852 PO/PSF = 2113.5 RUN NO = 5.0000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | .0013  | .0168  | -.0280 | -.0073 |
| .230 | -.0021 | -.0142 | .0047  | .0151  |
| .410 | -.0055 | .0047  | .0116  | .0237  |
| .590 | -.0055 | -.0055 | .0013  | .0151  |
| .770 | -.0107 | -.0107 | -.0142 | -.0142 |
| .878 | -.0193 | -.0175 | -.0107 | -.0159 |

BETA ( 1 ) = -10.120 ALPHA ( 5 ) = 8.310 Q(PSF) = 42.852 PO/PSF = 2113.5 RUN NO = 5.0000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .0547 | .0737 | .0375 | .0495 |
| .230 | .0444 | .0426 | .0633 | .0823 |
| .410 | .0392 | .0564 | .0668 | .0892 |
| .590 | .0392 | .0444 | .0564 | .0737 |
| .770 | .0306 | .0357 | .0357 | .0375 |
| .878 | .0220 | .0237 | .0392 | .0340 |

BETA ( 1 ) = -10.120 ALPHA ( 6 ) = 10.330 Q(PSF) = 42.852 PO/PSF = 2113.5 RUN NO = 5.0000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .1013 | .1289 | .0909 | .1047 |
| .230 | .0944 | .0858 | .1185 | .1427 |
| .410 | .0858 | .1030 | .1185 | .1427 |
| .590 | .0823 | .0909 | .1030 | .1254 |
| .770 | .0702 | .0737 | .0806 | .0858 |
| .878 | .0616 | .0651 | .0806 | .0806 |

DATE 17 MAY 76

## TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM01)

BETA ( 2 ) = -5.090 ALPHA ( 1 ) = .010 Q(PSF) = 42.905 PO/PSF = 2113.3 RUN NO = 4.0000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1105 | -.1122 | -.1002 | -.1553 |
| .230 | -.1122 | -.1174 | -.1449 | -.1656 |
| .410 | -.1140 | -.1174 | -.1277 | -.1535 |
| .590 | -.1105 | -.1191 | -.1277 | -.1346 |
| .770 | -.1140 | -.1208 | -.1346 | -.1467 |
| .878 | -.1157 | -.1243 | -.1243 | -.1432 |

BETA ( 2 ) = -5.090 ALPHA ( 2 ) = 2.050 Q(PSF) = 42.905 PO/PSF = 2113.3 RUN NO = 4.0000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0641 | -.0641 | -.0916 | -.1037 |
| .230 | -.0692 | -.0916 | -.0864 | -.0916 |
| .410 | -.0727 | -.0692 | -.0761 | -.0847 |
| .590 | -.0727 | -.0761 | -.0796 | -.0778 |
| .770 | -.0761 | -.0796 | -.0882 | -.0968 |
| .878 | -.0813 | -.0864 | -.0813 | -.0985 |

BETA ( 2 ) = -5.090 ALPHA ( 3 ) = 4.120 Q(PSF) = 42.905 PO/PSF = 2113.3 RUN NO = 4.0000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0210 | -.0124 | -.0623 | -.0572 |
| .230 | -.0279 | -.0417 | -.0348 | -.0348 |
| .410 | -.0313 | -.0279 | -.0279 | -.0245 |
| .590 | -.0348 | -.0365 | -.0365 | -.0262 |
| .770 | -.0417 | -.0434 | -.0486 | -.0554 |
| .878 | -.0486 | -.0486 | -.0451 | -.0537 |



DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

PAGE 705

0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM01)

BETA ( 2 ) = -5.090 ALPHA ( 4 ) = 6.220 Q(PSF) = 42.905 PO/PSF = 2113.3 RUN NO = 4.0000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | .0220  | .0393  | -.0038 | .0030  |
| .230 | .0151  | .0064  | .0185  | .0289  |
| .410 | .0099  | .0203  | .0254  | .0324  |
| .590 | .0064  | .0099  | .0134  | .0254  |
| .770 | -.0038 | -.0021 | -.0055 | -.0073 |
| .878 | -.0107 | -.0124 | -.0004 | -.0090 |

BETA ( 2 ) = -5.090 ALPHA ( 5 ) = 8.280 Q(PSF) = 42.905 PO/PSF = 2113.3 RUN NO = 4.0000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .0704 | .0877 | .0445 | .0583 |
| .230 | .0583 | .0479 | .0738 | .0877 |
| .410 | .0531 | .0652 | .0738 | .0928 |
| .590 | .0496 | .0496 | .0600 | .0773 |
| .770 | .0376 | .0376 | .0410 | .0410 |
| .878 | .0272 | .0272 | .0393 | .0358 |

BETA ( 2 ) = -5.090 ALPHA ( 6 ) = 10.320 Q(PSF) = 42.905 PO/PSF = 2113.3 RUN NO = 4.0000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .1116 | .1323 | .0892 | .1047 |
| .230 | .0995 | .0909 | .1219 | .1375 |
| .410 | .0926 | .1064 | .1185 | .1375 |
| .590 | .0875 | .0909 | .1030 | .1237 |
| .770 | .0719 | .0754 | .0823 | .0840 |
| .878 | .0616 | .0651 | .0788 | .0754 |

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## TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM01)

BETA ( 3 ) = .000 ALPHA ( 1 ) = .000 Q(PSF) = 42.898 PO/PSF = 2113.3 RUN NO = 1.0000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0831 | -.0813 | -.0693 | -.1330 |
| .230 | -.0882 | -.0796 | -.1106 | -.1227 |
| .410 | -.0917 | -.0968 | -.1037 | -.1210 |
| .590 | -.0951 | -.1037 | -.1089 | -.1106 |
| .770 | -.1003 | -.1089 | -.1158 | -.1279 |
| .878 | -.1072 | -.1141 | -.1106 | -.1261 |

BETA ( 3 ) = .000 ALPHA ( 2 ) = 2.050 Q(PSF) = 42.898 PO/PSF = 2113.3 RUN NO = 1.0000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0452 | -.0366 | -.0693 | -.0952 |
| .230 | -.0521 | -.0624 | -.0641 | -.0693 |
| .410 | -.0572 | -.0555 | -.0590 | -.0676 |
| .590 | -.0624 | -.0659 | -.0659 | -.0641 |
| .770 | -.0693 | -.0728 | -.0762 | -.0848 |
| .878 | -.0762 | -.0797 | -.0745 | -.0848 |

BETA ( 3 ) = .000 ALPHA ( 3 ) = 4.130 Q(PSF) = 42.898 PO/PSF = 2113.3 RUN NO = 1.0000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0055 | .0064  | -.0418 | -.0435 |
| .230 | -.0124 | -.0383 | -.0159 | -.0159 |
| .410 | -.0193 | -.0176 | -.0142 | -.0142 |
| .590 | -.0245 | -.0262 | -.0280 | -.0176 |
| .770 | -.0366 | -.0383 | -.0400 | -.0418 |
| .878 | -.0435 | -.0452 | -.0366 | -.0469 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM01)

BETA ( 3 ) = .000 ALPHA ( 4 ) = 6.190 Q(PSF) = 42.898 PO/PSF = 2113.3 RUN NO = 1.0000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | .0341  | .0462  | .0082  | -.0021 |
| .230 | .0255  | -.0055 | .0272  | .0376  |
| .410 | .0185  | .0220  | .0289  | .0341  |
| .590 | .0116  | .0099  | .0151  | .0255  |
| .770 | -.0038 | -.0021 | -.0021 | -.0004 |
| .878 | -.0125 | -.0125 | .0013  | -.0073 |

BETA ( 3 ) = .000 ALPHA ( 5 ) = 8.300 Q(PSF) = 42.898 PO/PSF = 2113.3 RUN NO = 1.0000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .0771 | .0909 | .0495 | .0426 |
| .230 | .0633 | .0323 | .0753 | .0840 |
| .410 | .0598 | .0650 | .0753 | .0822 |
| .590 | .0512 | .0495 | .0581 | .0736 |
| .770 | .0392 | .0374 | .0409 | .0461 |
| .878 | .0254 | .0254 | .0392 | .0374 |

BETA ( 3 ) = .000 ALPHA ( 6 ) = 10.350 Q(PSF) = 42.898 PO/PSF = 2113.3 RUN NO = 1.0000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .1132 | .1270 | .0736 | .0684 |
| .230 | .0994 | .0667 | .1167 | .1235 |
| .410 | .0943 | .1029 | .1115 | .1218 |
| .590 | .0857 | .0874 | .0977 | .1115 |
| .770 | .0719 | .0702 | .0770 | .0822 |
| .878 | .0581 | .0598 | .0753 | .0702 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM01)

BETA ( 4 ) = 4.970 ALPHA ( 1 ) = .010 Q(PSF) = 42.888 PO/PSF = 2113.4 RUN NO = 3.0000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0641 | -.0589 | -.0434 | -.0968 |
| .230 | -.0744 | -.0090 | -.0865 | -.0951 |
| .410 | -.0796 | -.0813 | -.0930 | -.0968 |
| .590 | -.0847 | -.0899 | -.0934 | -.0916 |
| .770 | -.0916 | -.1002 | -.1020 | -.1089 |
| .878 | -.0985 | -.1037 | -.1002 | -.1106 |

BETA ( 4 ) = 4.970 ALPHA ( 2 ) = 2.060 Q(PSF) = 42.888 PO/PSF = 2113.4 RUN NO = 3.0000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0332 | -.0245 | -.0470 | -.0712 |
| .230 | -.0435 | -.0073 | -.0487 | -.0522 |
| .410 | -.0470 | -.0487 | -.0487 | -.0539 |
| .590 | -.0539 | -.0608 | -.0573 | -.0539 |
| .770 | -.0643 | -.0677 | -.0712 | -.0746 |
| .878 | -.0729 | -.0781 | -.0694 | -.0781 |

BETA ( 4 ) = 4.970 ALPHA ( 3 ) = 4.150 Q(PSF) = 42.888 PO/PSF = 2113.4 RUN NO = 3.0000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | .0013  | .0116  | -.0348 | -.0331 |
| .230 | -.0107 | .0064  | -.0107 | -.0090 |
| .410 | -.0159 | -.0159 | -.0107 | -.0107 |
| .590 | -.0245 | -.0279 | -.0210 | -.0124 |
| .770 | -.0331 | -.0383 | -.0383 | -.0348 |
| .878 | -.0452 | -.0486 | -.0366 | -.0417 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM01)

BETA ( 4 ) = 4.970 ALPHA ( 4 ) = 6.200 Q(PSF) = 42.888 PO/PSF = 2113.4 RUN NO = 3.0000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | .0324  | .0427  | -.0004 | .0047  |
| .230 | .0203  | .0099  | .0255  | .0289  |
| .410 | .0168  | .0168  | .0237  | .0255  |
| .590 | .0082  | .0065  | .0134  | .0220  |
| .770 | -.0038 | -.0055 | -.0055 | -.0004 |
| .878 | -.0176 | -.0176 | -.0055 | -.0124 |

BETA ( 4 ) = 4.970 ALPHA ( 5 ) = 8.250 Q(PSF) = 42.888 PO/PSF = 2113.4 RUN NO = 3.0000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .0650 | .0771 | .0254 | .0323 |
| .230 | .0530 | .0357 | .0599 | .0650 |
| .410 | .0512 | .0512 | .0599 | .0581 |
| .590 | .0392 | .0375 | .0478 | .0616 |
| .770 | .0254 | .0254 | .0288 | .0357 |
| .878 | .0151 | .0133 | .0288 | .0254 |

BETA ( 4 ) = 4.970 ALPHA ( 5 ) = 10.330 Q(PSF) = 42.888 PO/PSF = 2113.4 RUN NO = 3.0000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .0978 | .1081 | .0599 | .0582 |
| .230 | .0875 | .0650 | .0943 | .0995 |
| .410 | .0840 | .0840 | .0926 | .0926 |
| .590 | .0719 | .0719 | .0823 | .0926 |
| .770 | .0582 | .0582 | .0833 | .0719 |
| .878 | .0461 | .0461 | .0599 | .0582 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM01)

BETA ( 5 ) = 10.040 ALPHA ( 1 ) = .020 Q(PSF) = 42.853 PO/PSF = 2113.4 RUN NO = 2.0000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0574 | -.0504 | -.0384 | -.0919 |
| .230 | -.0694 | -.0349 | -.0729 | -.0764 |
| .410 | -.0729 | -.0746 | -.0729 | -.0815 |
| .590 | -.0833 | -.0850 | -.0850 | -.0798 |
| .770 | -.0919 | -.0953 | -.0971 | -.0953 |
| .878 | -.0988 | -.1040 | -.0953 | -.1023 |

BETA ( 5 ) = 10.040 ALPHA ( 2 ) = 2.100 Q(PSF) = 42.853 PO/PSF = 2113.4 RUN NO = 2.0000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0262 | -.0176 | -.0383 | -.0693 |
| .230 | -.0400 | -.0245 | -.0400 | -.0417 |
| .410 | -.0452 | -.0469 | -.0400 | -.0452 |
| .590 | -.0538 | -.0590 | -.0504 | -.0469 |
| .770 | -.0659 | -.0693 | -.0659 | -.0624 |
| .878 | -.0745 | -.0762 | -.0641 | -.0693 |

BETA ( 5 ) = 10.040 ALPHA ( 3 ) = 4.150 Q(PSF) = 42.853 PO/PSF = 2113.4 RUN NO = 2.0000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0021 | .0082  | -.0315 | -.0419 |
| .230 | -.0125 | -.0073 | -.0125 | -.0090 |
| .410 | -.0159 | -.0194 | -.0125 | -.0159 |
| .590 | -.0298 | -.0298 | -.0263 | -.0159 |
| .770 | -.0419 | -.0419 | -.0384 | -.0350 |
| .878 | -.0505 | -.0523 | -.0402 | -.0436 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM01)

BETA ( 5 ) = 10.040 ALPHA ( 4 ) = 6.200 Q(PSF) = 42.853 PO/PSF = 2113.4 RUN NO = 2.0000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | .0202  | .0288  | -.0158 | -.0176 |
| .230 | .0116  | .0150  | .0133  | .0150  |
| .410 | .0099  | .0064  | .0133  | .0099  |
| .590 | -.0038 | -.0055 | -.0004 | .0099  |
| .770 | -.0141 | -.0176 | -.0141 | -.0072 |
| .878 | -.0262 | -.0279 | -.0158 | -.0176 |

BETA ( 5 ) = 10.040 ALPHA ( 5 ) = 8.250 Q(PSF) = 42.853 PO/PSF = 2113.4 RUN NO = 2.0000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |        |       |       |
|------|-------|--------|-------|-------|
| .050 | .0479 | .0565  | .0047 | .0030 |
| .230 | .0375 | .0393  | .0393 | .0410 |
| .410 | .0393 | .0341  | .0393 | .0393 |
| .590 | .0255 | .0220  | .0289 | .0393 |
| .770 | .0116 | .0065  | .0151 | .0203 |
| .878 | .0030 | -.0004 | .0134 | .0099 |

BETA ( 5 ) = 10.040 ALPHA ( 6 ) = 10.370 Q(PSF) = 42.853 PO/PSF = 2113.4 RUN NO = 2.0000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .0755 | .0772 | .0254 | .0220 |
| .230 | .0651 | .0634 | .0651 | .0651 |
| .410 | .0686 | .0617 | .0669 | .0651 |
| .590 | .0531 | .0479 | .0565 | .0669 |
| .770 | .0392 | .0358 | .0392 | .0496 |
| .878 | .0272 | .0237 | .0392 | .0323 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM02) ( 03 FEB 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0405

## PARAMETRIC DATA

MACH = .170 ELEVON = .000  
 BDFLAP = .000 SPDRK = 25.000  
 PHI-N = .260 THETAN = .000  
 PHI-M = .230 THETAM = .000

BETA ( 1 ) = -10.050 ALPHA ( 1 ) = .040 Q(PSF) = 42.872 PO/PSF = 2110.0 RUN NO = 10.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.1539 -.1574 -.1108 -.1798  
 .230 -.1401 -.1453 -.1798 -.2315  
 .410 -.1384 -.1401 -.1487 -.1884  
 .590 -.1280 -.1367 -.1470 -.1539  
 .770 -.1298 -.1349 -.1470 -.1608  
 .878 -.1315 -.1384 -.1367 -.1608

BETA ( 1 ) = -10.050 ALPHA ( 2 ) = 2.090 Q(PSF) = 42.872 PO/PSF = 2110.0 RUN NO = 10.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.1041 -.1007 -.1076 -.1266  
 .230 -.0920 -.1059 -.1180 -.1422  
 .410 -.0937 -.0920 -.0972 -.1110  
 .590 -.0868 -.0920 -.0920 -.0886  
 .770 -.0903 -.0920 -.1024 -.1110  
 .878 -.0955 -.0955 -.0972 -.1145

BETA ( 1 ) = -10.050 ALPHA ( 3 ) = 4.170 Q(PSF) = 42.872 PO/PSF = 2110.0 RUN NO = 10.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.0540 -.0470 -.0920 -.0643  
 .230 -.0470 -.0505 -.0591 -.0626  
 .410 -.0522 -.0419 -.0419 -.0436  
 .590 -.0470 -.0505 -.0453 -.0349  
 .770 -.0522 -.0522 -.0574 -.0643  
 .878 -.0574 -.0591 -.0540 -.0678



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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM02)

BETA ( 1 ) = -10.050 ALPHA ( 4 ) = 6.240 Q(PSF) = 42.872 PO/PSF = 2110.0 RUN NO = 10.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0038 | .0116  | -.0228 | .0013  |
| .230 | -.0021 | -.0021 | .0065  | .0099  |
| .410 | -.0038 | .0065  | .0151  | .0255  |
| .590 | -.0021 | -.0004 | .0082  | .0237  |
| .770 | -.0090 | -.0090 | -.0090 | -.0090 |
| .878 | -.0142 | -.0159 | -.0090 | -.0194 |

BETA ( 1 ) = -10.050 ALPHA ( 5 ) = 8.270 Q(PSF) = 42.872 PO/PSF = 2110.0 RUN NO = 10.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .0443 | .0701 | .0271 | .0598 |
| .230 | .0460 | .0426 | .0615 | .0753 |
| .410 | .0409 | .0563 | .0650 | .0839 |
| .590 | .0426 | .0460 | .0546 | .0787 |
| .770 | .0305 | .0322 | .0340 | .0409 |
| .878 | .0202 | .0202 | .0340 | .0305 |

BETA ( 1 ) = -10.050 ALPHA ( 6 ) = 10.340 Q(PSF) = 42.872 PO/PSF = 2110.0 RUN NO = 10.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .0924 | .1199 | .0821 | .1164 |
| .230 | .0889 | .0975 | .1164 | .1354 |
| .410 | .0821 | .1027 | .1182 | .1422 |
| .590 | .0821 | .0889 | .1027 | .1285 |
| .770 | .0718 | .0769 | .0803 | .0889 |
| .878 | .0580 | .0614 | .0786 | .0786 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM02)

BETA ( 2 ) = -5.030 ALPHA ( 1 ) = .010 Q(PSF) = 42.868 PO/PSF = 2109.9 RUN NO = 9.0000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1192 | -.1209 | -.0813 | -.1433 |
| .230 | -.1106 | -.1123 | -.1450 | -.1778 |
| .410 | -.1123 | -.1158 | -.1278 | -.1485 |
| .590 | -.1106 | -.1192 | -.1261 | -.1295 |
| .770 | -.1123 | -.1192 | -.1313 | -.1416 |
| .878 | -.1175 | -.1244 | -.1244 | -.1450 |

BETA ( 2 ) = -5.030 ALPHA ( 2 ) = 2.090 Q(PSF) = 42.868 PO/PSF = 2109.9 RUN NO = 9.0000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0764 | -.0695 | -.0816 | -.0989 |
| .230 | -.0713 | -.0799 | -.0903 | -.0989 |
| .410 | -.0747 | -.0747 | -.0764 | -.0868 |
| .590 | -.0730 | -.0782 | -.0799 | -.0764 |
| .770 | -.0782 | -.0816 | -.0885 | -.0920 |
| .878 | -.0834 | -.0885 | -.0851 | -.1024 |

BETA ( 2 ) = -5.030 ALPHA ( 3 ) = 4.150 Q(PSF) = 42.868 PO/PSF = 2109.9 RUN NO = 9.0000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0279 | -.0193 | -.0659 | -.0417 |
| .230 | -.0262 | -.0297 | -.0348 | -.0366 |
| .410 | -.0314 | -.0262 | -.0245 | -.0245 |
| .590 | -.0331 | -.0366 | -.0314 | -.0210 |
| .770 | -.0400 | -.0417 | -.0452 | -.0469 |
| .878 | -.0469 | -.0521 | -.0400 | -.0555 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM02)

BETA ( 2 ) = -5.030 ALPHA ( 4 ) = 6.190 Q(PSF) = 42.868 PO/PSF = 2109.9 RUN NO = 9.0000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | .0168  | .0306  | -.0194 | .0151  |
| .230 | .0134  | .0168  | .0203  | .0203  |
| .410 | .0082  | .0168  | .0237  | .0289  |
| .590 | .0065  | .0082  | .0134  | .0306  |
| .770 | -.0004 | -.0038 | -.0038 | -.0021 |
| .878 | -.0107 | -.0125 | -.0021 | -.0142 |

BETA ( 2 ) = -5.030 ALPHA ( 5 ) = 8.260 Q(PSF) = 42.868 PO/PSF = 2109.9 RUN NO = 9.0000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .0583 | .0773 | .0324 | .0618 |
| .230 | .0566 | .0514 | .0704 | .0791 |
| .410 | .0497 | .0618 | .0704 | .0842 |
| .590 | .0479 | .0479 | .0566 | .0773 |
| .770 | .0341 | .0324 | .0376 | .0445 |
| .878 | .0255 | .0220 | .0358 | .0307 |

BETA ( 2 ) = -5.030 ALPHA ( 6 ) = 10.430 Q(PSF) = 42.868 PO/PSF = 2109.9 RUN NO = 9.0000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .1079 | .1285 | .0976 | .1182 |
| .230 | .1044 | .1113 | .1234 | .1371 |
| .410 | .0958 | .1079 | .1234 | .1371 |
| .590 | .0890 | .0941 | .1079 | .1285 |
| .770 | .0769 | .0787 | .0855 | .0958 |
| .878 | .0632 | .0666 | .0787 | .0769 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFMD2)

BETA ( 3 ) = .010 ALPHA ( 1 ) = .030 Q(PSF) = 42.880 PO/PSF = 2109.9 RUN NO = 8.0000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0866 | -.0883 | -.0728 | -.1090 |
| .230 | -.0900 | -.0848 | -.1090 | -.1262 |
| .410 | -.0917 | -.0952 | -.1004 | -.1211 |
| .590 | -.0935 | -.1004 | -.1038 | -.1055 |
| .770 | -.1021 | -.1073 | -.1142 | -.1176 |
| .878 | -.1073 | -.1124 | -.1090 | -.1262 |

BETA ( 3 ) = .010 ALPHA ( 2 ) = 2.050 Q(PSF) = 42.880 PO/PSF = 2109.9 RUN NO = 8.0000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0469 | -.0469 | -.0710 | -.0779 |
| .230 | -.0503 | -.0572 | -.0659 | -.0693 |
| .410 | -.0538 | -.0572 | -.0572 | -.0676 |
| .590 | -.0590 | -.0607 | -.0659 | -.0590 |
| .770 | -.0659 | -.0710 | -.0779 | -.0779 |
| .878 | -.0745 | -.0797 | -.0762 | -.0865 |

BETA ( 3 ) = .010 ALPHA ( 3 ) = 4.200 Q(PSF) = 42.880 PO/PSF = 2109.9 RUN NO = 8.0000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0107 | -.0038 | -.0572 | -.0245 |
| .230 | -.0159 | -.0159 | -.0141 | -.0176 |
| .410 | -.0210 | -.0193 | -.0124 | -.0141 |
| .590 | -.0262 | -.0296 | -.0210 | -.0107 |
| .770 | -.0365 | -.0382 | -.0382 | -.0331 |
| .878 | -.0451 | -.0486 | -.0365 | -.0451 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM02)

BETA ( 3 ) = .010 ALPHA ( 4 ) = 6.190 Q(PSF) = 42.880 PO/PSF = 2109.9 RUN NO = 8.0000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | .0272  | .0392  | -.0055 | .0185  |
| .230 | .0202  | .0202  | .0254  | .0272  |
| .410 | .0168  | .0220  | .0272  | .0289  |
| .590 | .0099  | .0099  | .0151  | .0306  |
| .770 | -.0021 | -.0021 | -.0021 | .0082  |
| .878 | -.0124 | -.0142 | -.0038 | -.0107 |

BETA ( 3 ) = .010 ALPHA ( 5 ) = 8.290 Q(PSF) = 42.880 PO/PSF = 2109.9 RUN NO = 8.0000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .0669 | .0807 | .0479 | .0634 |
| .230 | .0617 | .0600 | .0721 | .0790 |
| .410 | .0582 | .0617 | .0721 | .0772 |
| .590 | .0496 | .0496 | .0600 | .0755 |
| .770 | .0358 | .0358 | .0410 | .0531 |
| .878 | .0237 | .0220 | .0375 | .0341 |

BETA ( 3 ) = .010 ALPHA ( 6 ) = 10.320 Q(PSF) = 42.880 PO/PSF = 2109.9 RUN NO = 8.0000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .1049 | .1187 | .0824 | .0980 |
| .230 | .0963 | .0997 | .1118 | .1204 |
| .410 | .0945 | .0997 | .1101 | .1153 |
| .590 | .0842 | .0859 | .0963 | .1135 |
| .770 | .0686 | .0704 | .0755 | .0928 |
| .878 | .0565 | .0565 | .0738 | .0721 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM02)

BETA ( 4 ) = 5.040 ALPHA ( 1 ) = .030 Q(PSF) = 42.910 PO/PSF = 2109.8 RUN NO = 7.0000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0727 | -.0658 | -.0434 | -.0933 |
| .230 | -.0761 | -.0623 | -.0882 | -.0950 |
| .410 | -.0813 | -.0813 | -.0847 | -.0968 |
| .590 | -.0864 | -.0882 | -.0899 | -.0899 |
| .770 | -.0950 | -.0985 | -.1019 | -.0985 |
| .878 | -.1037 | -.1071 | -.0985 | -.1105 |

BETA ( 4 ) = 5.040 ALPHA ( 2 ) = 2.060 Q(PSF) = 42.910 PO/PSF = 2109.8 RUN NO = 7.0000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0400 | -.0348 | -.0452 | -.0572 |
| .230 | -.0469 | -.0503 | -.0503 | -.0521 |
| .410 | -.0503 | -.0538 | -.0503 | -.0555 |
| .590 | -.0572 | -.0607 | -.0607 | -.0521 |
| .770 | -.0676 | -.0727 | -.0710 | -.0624 |
| .878 | -.0779 | -.0796 | -.0710 | -.0779 |

BETA ( 4 ) = 5.040 ALPHA ( 3 ) = 4.110 Q(PSF) = 42.910 PO/PSF = 2109.8 RUN NO = 7.0000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |         |        |        |        |
|------|---------|--------|--------|--------|
| .050 | -.0159  | -.0176 | -.0107 | -.0142 |
| .230 | 35.2956 | -.0280 | -.0211 | -.0142 |
| .410 | -.0470  | -.0383 | -.0366 | -.0262 |
| .590 | -.0349  | -.0487 | -.0383 | -.0452 |
| .770 | -.0366  | -.0055 | .0030  | -.0314 |
| .878 | -.0366  | -.0124 | -.0193 | -.0090 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM02)

BETA ( 4 ) = 5.040 ALPHA ( 4 ) = 6.180 Q(PSF) = 42.910 PO/PSF = 2109.8 RUN NO = 7.0000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | .0238  | .0341  | .0013  | .0134  |
| .230 | .0186  | .0151  | .0238  | .0255  |
| .410 | .0134  | .0151  | .0272  | .0220  |
| .590 | .0047  | .0047  | .0151  | .0238  |
| .770 | -.0107 | -.0107 | -.0021 | .0116  |
| .878 | -.0194 | -.0177 | -.0073 | -.0090 |

BETA ( 4 ) = 5.040 ALPHA ( 5 ) = 8.250 Q(PSF) = 42.910 PO/PSF = 2109.8 RUN NO = 7.0000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .0616 | .0685 | .0409 | .0426 |
| .230 | .0530 | .0513 | .0581 | .0633 |
| .410 | .0513 | .0513 | .0599 | .0581 |
| .590 | .0409 | .0392 | .0478 | .0599 |
| .770 | .0254 | .0254 | .0306 | .0478 |
| .878 | .0116 | .0116 | .0271 | .0271 |

BETA ( 4 ) = 5.040 ALPHA ( 6 ) = 10.380 Q(PSF) = 42.910 PO/PSF = 2109.8 RUN NO = 7.0000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .0923 | .1026 | .0648 | .0700 |
| .230 | .0837 | .0820 | .0923 | .0958 |
| .410 | .0837 | .0837 | .0940 | .0940 |
| .590 | .0717 | .0734 | .0820 | .0923 |
| .770 | .0562 | .0580 | .0648 | .0803 |
| .878 | .0442 | .0425 | .0597 | .0597 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM02)

BETA ( 5 ) = 10.100 ALPHA ( 1 ) = .000 Q(PSF) = 42.815 PO/PSF = 2109.9 RUN NO = 6.0000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0643 | -.0591 | -.0729 | -.0781 |
| .230 | -.0712 | -.0694 | -.0746 | -.0781 |
| .410 | -.0746 | -.0798 | -.0746 | -.0833 |
| .590 | -.0833 | -.0884 | -.0833 | -.0798 |
| .770 | -.0954 | -.0971 | -.0971 | -.0867 |
| .878 | -.1040 | -.1074 | -.0936 | -.1023 |

BETA ( 5 ) = 10.100 ALPHA ( 2 ) = 2.050 Q(PSF) = 42.815 PO/PSF = 2109.9 RUN NO = 6.0000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

Y/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0349 | -.0298 | -.0643 | -.0540 |
| .230 | -.0419 | -.0436 | -.0471 | -.0453 |
| .410 | -.0453 | -.0471 | -.0453 | -.0522 |
| .590 | -.0574 | -.0592 | -.0557 | -.0488 |
| .770 | -.0661 | -.0693 | -.0661 | -.0557 |
| .878 | -.0782 | -.0782 | -.0661 | -.0713 |

BETA ( 5 ) = 10.100 ALPHA ( 3 ) = 4.120 Q(PSF) = 42.815 PO/PSF = 2109.9 RUN NO = 6.0000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0090 | -.0004 | -.0367 | -.0228 |
| .230 | -.0159 | -.0211 | -.0142 | -.0107 |
| .410 | -.0176 | -.0194 | -.0142 | -.0194 |
| .590 | -.0280 | -.0315 | -.0246 | -.0159 |
| .770 | -.0401 | -.0401 | -.0367 | -.0228 |
| .878 | -.0522 | -.0522 | -.0384 | -.0401 |



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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM02)

BETA ( 5 ) = 10.100 ALPHA ( 4 ) = 6.240 Q(P5F) = 42.815 PO/P5F = 2109.9 RUN NO = 6.0000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | .0168  | .0220  | -.0142 | -.0055 |
| .230 | .0082  | .0013  | .0116  | .0134  |
| .410 | .0064  | .0047  | .0116  | .0082  |
| .590 | -.0038 | -.0055 | .0030  | .0116  |
| .770 | -.0176 | -.0176 | -.0124 | -.0004 |
| .878 | -.0297 | -.0280 | -.0142 | -.0142 |

BETA ( 5 ) = 10.100 ALPHA ( 5 ) = 8.250 Q(P5F) = 42.815 PO/P5F = 2109.9 RUN NO = 6.0000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |       |       |
|------|--------|--------|-------|-------|
| .050 | .0358  | .0445  | .0116 | .0134 |
| .230 | .0324  | .0220  | .0341 | .0376 |
| .410 | .0324  | .0289  | .0376 | .0324 |
| .590 | .0186  | .0186  | .0307 | .0358 |
| .770 | .0047  | .0082  | .0151 | .0289 |
| .878 | -.0090 | -.0038 | .0116 | .0116 |

BETA ( 5 ) = 10.090 ALPHA ( 6 ) = 10.340 Q(P5F) = 42.815 PO/P5F = 2109.9 RUN NO = 6.0000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .0703 | .0754 | .0375 | .0358 |
| .230 | .0651 | .0496 | .0669 | .0634 |
| .410 | .0685 | .0634 | .0703 | .0616 |
| .590 | .0530 | .0513 | .0599 | .0720 |
| .770 | .0375 | .0392 | .0478 | .0582 |
| .878 | .0254 | .0271 | .0444 | .0409 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM03) ( 03 FEB 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
LREF = 474.8100 INCHES YMRP = .0000 IN. YO  
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
SCALE = .0405

PARAMETRIC DATA

MACH = .170 ELEVON = .000  
BOFLAP = .000 SPDBRK = 25.000  
PHI-N = 2.000 THETAN = .000  
PHI-M = 2.000 THETAM = .000

BETA ( 1 ) = -10.040 ALPHA ( 1 ) = .000 Q(PSF) = 42.823 PO/PSF = 2110.0 RUN NO = 15.000

SECTION ( 1 ) MAIN LND GR DR-0 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.2338 -.2459 -.1456 -.1940  
.230 -.1715 -.1715 -.1923 -.2061  
.410 -.1594 -.1577 -.1629 -.1663  
.590 -.1473 -.1525 -.1542 -.1525  
.770 -.1473 -.1490 -.1560 -.1750  
.878 -.1490 -.1594 -.1542 -.1732

BETA ( 1 ) = -10.040 ALPHA ( 2 ) = 2.050 Q(PSF) = 42.823 PO/PSF = 2110.0 RUN NO = 15.000

SECTION ( 1 ) MAIN LND GR DR-0 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.1856 -.1838 -.1423 -.1336  
.230 -.1250 -.1319 -.1319 -.1111  
.410 -.1163 -.1042 -.1094 -.0973  
.590 -.1025 -.1042 -.1077 -.0973  
.770 -.1077 -.1094 -.1146 -.1302  
.878 -.1146 -.1215 -.1163 -.1250

BETA ( 1 ) = -10.040 ALPHA ( 3 ) = 4.190 Q(PSF) = 42.823 PO/PSF = 2110.0 RUN NO = 15.000

SECTION ( 1 ) MAIN LND GR DR-0 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.1316 -.1212 -.1178 -.0591  
.230 -.0781 -.0798 -.0660 -.0297  
.410 -.0660 -.0522 -.0504 -.0297  
.590 -.0573 -.0556 -.0573 -.0366  
.770 -.0625 -.0660 -.0643 -.0781  
.878 -.0729 -.0781 -.0660 -.0712

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM03)

BETA ( 1 ) = -10.040 ALPHA ( 4 ) = 8.190 Q(PSF) = 42.823 PO/PSF = 2110.0 RUN NO = 15.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0797 | -.0625 | -.0608 | .0133  |
| .230 | -.0280 | -.0314 | -.0004 | .0375  |
| .410 | -.0211 | -.0004 | -.0004 | .0306  |
| .590 | -.0142 | -.0107 | -.0124 | .0203  |
| .770 | -.0228 | -.0211 | -.0176 | -.0280 |
| .878 | -.0349 | -.0401 | -.0211 | -.0228 |

BETA ( 1 ) = -10.040 ALPHA ( 5 ) = 8.250 Q(PSF) = 42.823 PO/PSF = 2110.0 RUN NO = 15.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |       |
|------|--------|--------|--------|-------|
| .050 | -.0315 | -.0090 | -.0246 | .0739 |
| .230 | .0168  | .0186  | .0479  | .0912 |
| .410 | .0237  | .0445  | .0549  | .0929 |
| .590 | .0255  | .0358  | .0341  | .0739 |
| .770 | .0151  | .0203  | .0255  | .0237 |
| .878 | .0030  | .0013  | .0237  | .0220 |

BETA ( 1 ) = -10.040 ALPHA ( 6 ) = 10.310 Q(PSF) = 42.823 PO/PSF = 2110.0 RUN NO = 15.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .0202 | .0477 | .0305 | .1356 |
| .230 | .0650 | .0719 | .1063 | .1183 |
| .410 | .0736 | .0960 | .1132 | .1545 |
| .590 | .0736 | .0856 | .0960 | .1321 |
| .770 | .0598 | .0632 | .0650 | .0736 |
| .878 | .0460 | .0409 | .0650 | .0719 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM03)

BETA ( 2 ) = -5.020 ALPHA ( 1 ) = .000 Q(PSF) = 42.815 PO/PSF = 2109.9 RUN NO = 14.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1939 | -.2008 | -.2885 | -.1248 |
| .230 | -.1369 | -.1369 | -.1559 | -.1559 |
| .410 | -.1231 | -.1248 | -.1317 | -.1352 |
| .590 | -.1179 | -.1231 | -.1352 | -.1300 |
| .770 | -.1179 | -.1282 | -.1455 | -.1473 |
| .878 | -.1265 | -.1403 | -.1334 | -.1473 |

BETA ( 2 ) = -5.020 ALPHA ( 2 ) = 2.040 Q(PSF) = 42.815 PO/PSF = 2109.9 RUN NO = 14.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1505 | -.1505 | -.0901 | -.0797 |
| .230 | -.0970 | -.1056 | -.1022 | -.1039 |
| .410 | -.0832 | -.0815 | -.0849 | -.0728 |
| .590 | -.0815 | -.0849 | -.0935 | -.0797 |
| .770 | -.0866 | -.0935 | -.1091 | -.1073 |
| .878 | -.0953 | -.1056 | -.1022 | -.1091 |

BETA ( 2 ) = -5.020 ALPHA ( 3 ) = 4.080 Q(PSF) = 42.815 PO/PSF = 2109.9 RUN NO = 14.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1039 | -.0988 | -.0780 | -.0263 |
| .230 | -.0522 | -.0608 | -.0487 | -.0677 |
| .410 | -.0435 | -.0366 | -.0314 | -.0107 |
| .590 | -.0418 | -.0435 | -.0452 | -.0245 |
| .770 | -.0504 | -.0539 | -.0642 | -.0625 |
| .878 | -.0625 | -.0694 | -.0677 | -.0625 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM03)

BETA ( 2 ) = -5.020 ALPHA ( 4 ) = 6.170 Q(PSF) = 42.815 PO/PSF = 2109.9 RUN NO = 14.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0522 | -.0436 | -.0539 | .0306  |
| .230 | -.0055 | -.0176 | .0065  | -.0332 |
| .410 | .0030  | .0099  | .0186  | .0445  |
| .590 | .0013  | .0030  | .0082  | .0358  |
| .770 | -.0073 | -.0090 | -.0159 | -.0159 |
| .878 | -.0194 | -.0263 | -.0176 | -.0142 |

BETA ( 2 ) = -5.020 ALPHA ( 5 ) = 8.260 Q(PSF) = 42.815 PO/PSF = 2109.9 RUN NO = 14.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |       |        |       |
|------|--------|-------|--------|-------|
| .050 | -.0090 | .0047 | -.0246 | .0894 |
| .230 | .0376  | .0255 | .0566  | .0358 |
| .410 | .0410  | .0531 | .0652  | .0877 |
| .590 | .0410  | .0445 | .0531  | .0791 |
| .770 | .0307  | .0272 | .0255  | .0272 |
| .878 | .0134  | .0099 | .0203  | .0272 |

BETA ( 2 ) = -5.020 ALPHA ( 6 ) = 10.300 Q(PSF) = 42.815 PO/PSF = 2109.9 RUN NO = 14.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .0393 | .0566 | .0462 | .1274 |
| .230 | .0808 | .0721 | .1067 | .0980 |
| .410 | .0859 | .0998 | .1136 | .1257 |
| .590 | .0825 | .0859 | .0998 | .1222 |
| .770 | .0687 | .0669 | .0721 | .0738 |
| .878 | .0531 | .0479 | .0635 | .0587 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM03)

BETA ( 3 ) = .010 ALPHA ( 1 ) = .000 Q(PSF) = 42.917 PO/PSF = 2109.9 RUN NO = 13.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1553 | -.1691 | -.0778 | -.1002 |
| .230 | -.1088 | -.1174 | -.1329 | -.1777 |
| .410 | -.1002 | -.1054 | -.1106 | -.1174 |
| .590 | -.1002 | -.1088 | -.1106 | -.1123 |
| .770 | -.1071 | -.1174 | -.1243 | -.1347 |
| .878 | -.1174 | -.1295 | -.1260 | -.1329 |

BETA ( 3 ) = .010 ALPHA ( 2 ) = 2.050 Q(PSF) = 42.917 PO/PSF = 2109.9 RUN NO = 13.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1161 | -.1213 | -.0764 | -.0798 |
| .230 | -.0746 | -.0902 | -.0833 | -.1230 |
| .410 | -.0626 | -.0660 | -.0660 | -.0746 |
| .590 | -.0643 | -.0712 | -.0729 | -.0695 |
| .770 | -.0764 | -.0816 | -.0885 | -.0954 |
| .878 | -.0867 | -.0971 | -.0885 | -.0937 |

BETA ( 3 ) = .010 ALPHA ( 3 ) = 4.090 Q(PSF) = 42.917 PO/PSF = 2109.9 RUN NO = 13.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0764 | -.0782 | -.0678 | -.0419 |
| .230 | -.0349 | -.0470 | -.0349 | -.0643 |
| .410 | -.0263 | -.0263 | -.0211 | -.0280 |
| .590 | -.0315 | -.0349 | -.0315 | -.0280 |
| .770 | -.0419 | -.0488 | -.0488 | -.0574 |
| .878 | -.0557 | -.0661 | -.0540 | -.0592 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM03)

BETA ( 3 ) = .010 ALPHA ( 4 ) = 6.160 Q(PSF) = 42.917 PO/PSF = 2109.9 RUN NO = 13.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0347 | -.0330 | -.0501 | -.0072 |
| .230 | .0064  | -.0107 | .0116  | -.0021 |
| .410 | .0133  | .0150  | .0219  | .0236  |
| .590 | .0047  | .0047  | .0098  | .0184  |
| .770 | -.0089 | -.0107 | -.0089 | -.0089 |
| .878 | -.0244 | -.0295 | -.0141 | -.0192 |

BETA ( 3 ) = .010 ALPHA ( 5 ) = 8.250 Q(PSF) = 42.917 PO/PSF = 2109.9 RUN NO = 13.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |        |       |
|------|-------|-------|--------|-------|
| .050 | .0081 | .0099 | -.0158 | .0167 |
| .230 | .0460 | .0254 | .0580  | .0632 |
| .410 | .0494 | .0529 | .0666  | .0718 |
| .590 | .0426 | .0426 | .0512  | .0666 |
| .770 | .0254 | .0254 | .0305  | .0322 |
| .878 | .0116 | .0064 | .0236  | .0254 |

BETA ( 3 ) = .010 ALPHA ( 6 ) = 10.300 Q(PSF) = 42.917 PO/PSF = 2109.9 RUN NO = 13.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .0496 | .0461 | .0392 | .0461 |
| .230 | .0841 | .0668 | .0996 | .1169 |
| .410 | .0892 | .0944 | .1048 | .1186 |
| .590 | .0772 | .0789 | .0944 | .1117 |
| .770 | .0599 | .0616 | .0668 | .0737 |
| .878 | .0444 | .0409 | .0599 | .0651 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM03)

BETA ( 4 ) = 5.060 ALPHA ( 1 ) = -.010 Q(PSF) = 42.885 PO/PSF = 2109.8 RUN NO = 12.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1297 | -.1366 | -.0676 | -.1487 |
| .230 | -.0901 | -.0935 | -.1056 | -.1349 |
| .410 | -.0883 | -.0935 | -.0952 | -.1090 |
| .590 | -.0918 | -.1004 | -.0987 | -.1039 |
| .770 | -.1021 | -.1108 | -.1108 | -.1142 |
| .878 | -.1142 | -.1228 | -.1125 | -.1211 |

BETA ( 4 ) = 5.060 ALPHA ( 2 ) = 2.030 Q(PSF) = 42.885 PO/PSF = 2109.8 RUN NO = 12.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0949 | -.1052 | -.0657 | -.1155 |
| .230 | -.0949 | -.0708 | -.0657 | -.0760 |
| .410 | -.0938 | -.0571 | -.0554 | -.0639 |
| .590 | -.0939 | -.0657 | -.0657 | -.0639 |
| .770 | -.0760 | -.0777 | -.0794 | -.0777 |
| .878 | -.0914 | -.0949 | -.0811 | -.0846 |

BETA ( 4 ) = 5.060 ALPHA ( 3 ) = 4.090 Q(PSF) = 42.885 PO/PSF = 2109.8 RUN NO = 12.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0625 | -.0711 | -.0573 | -.0832 |
| .230 | -.0280 | -.0418 | -.0262 | -.0193 |
| .410 | -.0262 | -.0245 | -.0176 | -.0176 |
| .590 | -.0331 | -.0349 | -.0297 | -.0228 |
| .770 | -.0469 | -.0487 | -.0452 | -.0418 |
| .878 | -.0625 | -.0659 | -.0504 | -.0427 |



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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(PSFM03)

BETA ( 4 ) = 5.060 ALPHA ( 4 ) = 6.160 Q(PSF) = 42.885 PO/PSF = 2109.8 RUN NO = 12.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0263 | -.0349 | -.0314 | -.0487 |
| .230 | .0030  | -.0176 | .0082  | .0237  |
| .410 | .0064  | .0082  | .0168  | .0254  |
| .590 | -.0038 | -.0004 | .0064  | .0168  |
| .770 | -.0176 | -.0159 | -.0090 | -.0055 |
| .878 | -.0349 | -.0349 | -.0142 | -.0159 |

BETA ( 4 ) = 5.060 ALPHA ( 5 ) = 8.250 Q(PSF) = 42.885 PO/PSF = 2109.8 RUN NO = 12.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | .0082  | -.0038 | -.0021 | -.0159 |
| .230 | .0341  | .0151  | .0444  | .0565  |
| .410 | .0341  | .0427  | .0530  | .0651  |
| .590 | .0254  | .0323  | .0410  | .0582  |
| .770 | .0116  | .0168  | .0202  | .0306  |
| .878 | -.0055 | -.0021 | .0151  | .0202  |

BETA ( 4 ) = 5.060 ALPHA ( 6 ) = 10.330 Q(PSF) = 42.885 PO/PSF = 2109.8 RUN NO = 12.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .0410 | .0272 | .0272 | .0168 |
| .230 | .0652 | .0514 | .0756 | .0877 |
| .410 | .0652 | .0738 | .0859 | .0946 |
| .590 | .0583 | .0635 | .0738 | .0946 |
| .770 | .0410 | .0462 | .0548 | .0635 |
| .878 | .0255 | .0255 | .0462 | .0531 |

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OF POOR QUALITY

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM03)

BETA ( 5 ) = 10.110 ALPHA ( 1 ) = .000 Q(PSF) = 42.790 PO/PSF = 2109.9 RUN NO = 11.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1129 | -.1251 | -.0818 | -.1614 |
| .230 | -.0887 | -.0904 | -.0922 | -.0818 |
| .410 | -.0870 | -.0870 | -.0818 | -.0852 |
| .590 | -.0956 | -.0956 | -.0922 | -.0870 |
| .770 | -.1077 | -.1060 | -.1043 | -.0991 |
| .878 | -.1216 | -.1216 | -.1077 | -.1043 |

BETA ( 5 ) = 10.110 ALPHA ( 2 ) = 2.030 Q(PSF) = 42.790 PO/PSF = 2109.9 RUN NO = 11.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0885 | -.1023 | -.0799 | -.1300 |
| .230 | -.0660 | -.0747 | -.0626 | -.0522 |
| .410 | -.0660 | -.0609 | -.0522 | -.0488 |
| .590 | -.0712 | -.0695 | -.0626 | -.0557 |
| .770 | -.0851 | -.0816 | -.0747 | -.0695 |
| .878 | -.1023 | -.0989 | -.0799 | -.0764 |

BETA ( 5 ) = 10.110 ALPHA ( 3 ) = 4.080 Q(PSF) = 42.790 PO/PSF = 2109.9 RUN NO = 11.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0643 | -.0781 | -.0712 | -.1006 |
| .230 | -.0418 | -.0505 | -.0349 | -.0194 |
| .410 | -.0418 | -.0315 | -.0228 | -.0159 |
| .590 | -.0487 | -.0401 | -.0349 | -.0194 |
| .770 | -.0626 | -.0556 | -.0505 | -.0418 |
| .878 | -.0798 | -.0746 | -.0539 | -.0487 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM03)

BETA ( 5 ) = 10.110 ALPHA ( 4 ) = 6.220 Q(PSF) = 42.790 PO/PSF = 2109.9 RUN NO = 11.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0384 | -.0522 | -.0556 | -.0729 |
| .230 | -.0194 | -.0263 | -.0038 | .0064  |
| .410 | -.0176 | -.0021 | .0082  | .0168  |
| .590 | -.0211 | -.0142 | -.0021 | .0099  |
| .770 | -.0384 | -.0297 | -.0194 | -.0073 |
| .878 | -.0556 | -.0470 | -.0228 | -.0176 |

BETA ( 5 ) = 10.110 ALPHA ( 5 ) = 8.250 Q(PSF) = 42.790 PO/PSF = 2109.9 RUN NO = 11.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0124 | -.0263 | -.0401 | -.0452 |
| .230 | .0047  | -.0124 | .0220  | .0323  |
| .410 | .0082  | .0237  | .0323  | .0462  |
| .590 | -.0004 | .0134  | .0254  | .0410  |
| .770 | -.0142 | -.0021 | .0099  | .0220  |
| .878 | -.0314 | -.0211 | .0030  | .0116  |

BETA ( 5 ) = 10.100 ALPHA ( 6 ) = 10.320 Q(PSF) = 42.790 PO/PSF = 2109.9 RUN NO = 11.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | .0134  | -.0004 | -.0211 | -.0211 |
| .230 | .0289  | .0151  | .0462  | .0566  |
| .410 | .0359  | .0514  | .0618  | .0722  |
| .590 | .0289  | .0393  | .0514  | .0705  |
| .770 | .0116  | .0255  | .0359  | .0497  |
| .878 | -.0055 | .0065  | .0324  | .0376  |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM04) ( 03 FEB 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0405

## PARAMETRIC DATA

MACH = .170 ELEVON = .000  
 BDFLAP = .000 SPOBRK = 25.000  
 PHI-N = 4.000 THETAN = .000  
 PHI-M = 4.000 THETAM = .000

BETA ( 1 ) = -10.030 ALPHA ( 1 ) = -.010 Q(PSF) = 42.878 PO/PSF = 2110.7 RUN NO = 20.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.3201 -.3132 -.2009 -.2544  
 .230 -.1853 -.2026 -.1991 -.2147  
 .410 -.1801 -.1611 -.1646 -.1801  
 .590 -.1594 -.1576 -.1611 -.1680  
 .770 -.1576 -.1576 -.1646 -.1784  
 .878 -.1646 -.1663 -.1628 -.1646

BETA ( 1 ) = -10.020 ALPHA ( 2 ) = 2.010 Q(PSF) = 42.878 PO/PSF = 2110.7 RUN NO = 20.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.2692 -.2503 -.1900 -.2072  
 .230 -.1382 -.1624 -.1365 -.1296  
 .410 -.1314 -.1107 -.1089 -.1158  
 .590 -.1193 -.1107 -.1124 -.1158  
 .770 -.1193 -.1141 -.1193 -.1296  
 .878 -.1262 -.1227 -.1193 -.1193

BETA ( 1 ) = -10.030 ALPHA ( 3 ) = 4.090 Q(PSF) = 42.878 PO/PSF = 2110.7 RUN NO = 20.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.2147 -.1905 -.1231 -.1369  
 .230 -.0920 -.1144 -.0747 -.0539  
 .410 -.0885 -.0626 -.0557 -.0557  
 .590 -.0729 -.0643 -.0591 -.0574  
 .770 -.0781 -.0712 -.0747 -.0764  
 .878 -.0850 -.0833 -.0764 -.0695

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM04)

BETA ( 1 ) = -10.020 ALPHA ( 4 ) = 6.150 Q(PSF) = 42.878 PO/PSF = 2110.7 RUN NO = 20.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1558 | -.1265 | -.0591 | -.0781 |
| .230 | -.0470 | -.0556 | -.0090 | .0203  |
| .410 | -.0384 | -.0107 | .0030  | .0099  |
| .590 | -.0280 | -.0159 | -.0073 | -.0021 |
| .770 | -.0332 | -.0245 | -.0263 | -.0280 |
| .878 | -.0436 | -.0418 | -.0297 | -.0228 |

BETA ( 1 ) = -10.020 ALPHA ( 5 ) = 8.220 Q(PSF) = 42.878 PO/PSF = 2110.7 RUN NO = 20.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0983 | -.0674 | -.0021 | -.0141 |
| .230 | .0047  | -.0055 | .0459  | .0855  |
| .410 | .0081  | .0391  | .0563  | .0700  |
| .590 | .0184  | .0305  | .0442  | .0545  |
| .770 | .0081  | .0202  | .0219  | .0236  |
| .878 | -.0038 | .0013  | .0167  | .0270  |

BETA ( 1 ) = -10.020 ALPHA ( 6 ) = 10.290 Q(PSF) = 42.878 PO/PSF = 2110.7 RUN NO = 20.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |       |       |
|------|--------|--------|-------|-------|
| .050 | -.0383 | -.0055 | .0512 | .0392 |
| .230 | .0547  | .0481  | .1047 | .1495 |
| .410 | .0581  | .0891  | .1098 | .1288 |
| .590 | .0667  | .0805  | .0943 | .1098 |
| .770 | .0495  | .0633  | .0685 | .0754 |
| .878 | .0392  | .0426  | .0616 | .0736 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

'RFFM04)

BETA ( 2 ) = -5.020 ALPHA ( 1 ) = -.030 Q(PSF) = 42.912 PO/PSF = 2110.7 RUN NO = 19.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2545 | -.2820 | -.1755 | -.2322 |
| .230 | -.1497 | -.1721 | -.1703 | -.1858 |
| .410 | -.1446 | -.1343 | -.1412 | -.1549 |
| .590 | -.1274 | -.1343 | -.1394 | -.1480 |
| .770 | -.1309 | -.1377 | -.1497 | -.1635 |
| .878 | -.1394 | -.1480 | -.1463 | -.1515 |

BETA ( 2 ) = -5.020 ALPHA ( 2 ) = 2.040 Q(PSF) = 42.912 PO/PSF = 2110.7 RUN NO = 19.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2037 | -.2227 | -.1658 | -.1796 |
| .230 | -.1072 | -.1348 | -.1106 | -.1055 |
| .410 | -.1003 | -.0900 | -.0882 | -.0917 |
| .590 | -.0900 | -.0900 | -.0934 | -.0917 |
| .770 | -.0951 | -.0969 | -.1055 | -.1124 |
| .878 | -.1072 | -.1124 | -.1037 | -.1037 |

BETA ( 2 ) = -5.020 ALPHA ( 3 ) = 4.070 Q(PSF) = 42.912 PO/PSF = 2110.7 RUN NO = 19.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1468 | -.1640 | -.1158 | -.1227 |
| .230 | -.0607 | -.0882 | -.0555 | -.0383 |
| .410 | -.0555 | -.0417 | -.0365 | -.0331 |
| .590 | -.0469 | -.0451 | -.0451 | -.0417 |
| .770 | -.0538 | -.0555 | -.0607 | -.0658 |
| .878 | -.0658 | -.0727 | -.0624 | -.0607 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM04)

BETA ( 2 ) = -5.020 ALPHA ( 4 ) = 6.140 Q(PSF) = 42.912 PO/PSF = 2110.7 RUN NO = 19.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0989 | -.1127 | -.0591 | -.0730 |
| .230 | -.0176 | -.0470 | -.0004 | .0255  |
| .410 | -.0142 | .0013  | .0065  | .0220  |
| .590 | -.0090 | -.0107 | -.0073 | .0082  |
| .770 | -.0176 | -.0263 | -.0246 | -.0194 |
| .878 | -.0315 | -.0401 | -.0228 | -.0159 |

BETA ( 2 ) = -5.020 ALPHA ( 5 ) = 8.270 Q(PSF) = 42.912 PO/PSF = 2110.7 RUN NO = 19.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0400 | -.0556 | -.0038 | -.0228 |
| .230 | .0254  | -.0004 | .0530  | .0841  |
| .410 | .0323  | .0478  | .0599  | .0806  |
| .590 | .0340  | .0375  | .0461  | .0599  |
| .770 | .0220  | .0202  | .0254  | .0289  |
| .878 | .0064  | .0047  | .0202  | .0271  |

BETA ( 2 ) = -5.020 ALPHA ( 6 ) = 10.300 Q(PSF) = 42.912 PO/PSF = 2110.7 RUN NO = 19.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |        |       |       |
|------|-------|--------|-------|-------|
| .050 | .0220 | -.0038 | .0461 | .0306 |
| .230 | .0737 | .0513  | .1048 | .1410 |
| .410 | .0789 | .0944  | .1117 | .1341 |
| .590 | .0806 | .0841  | .0961 | .1117 |
| .770 | .0651 | .0668  | .0685 | .0754 |
| .878 | .0478 | .0444  | .0634 | .0754 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM04)

BETA ( 3 ) = .000 ALPHA ( 1 ) = -.020 Q(PSF) = 42.893 PO/PSF = 2110.6 RUN NO = 18.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1792 | -.2377 | .1139  | -.1981 |
| .230 | -.1173 | -.1396 | -.1379 | -.1517 |
| .410 | -.1121 | -.1139 | -.1156 | -.1225 |
| .590 | -.1070 | -.1139 | -.1190 | -.1207 |
| .770 | -.1139 | -.1225 | -.1293 | -.1362 |
| .878 | -.1259 | -.1362 | -.1276 | -.1328 |

BETA ( 3 ) = .000 ALPHA ( 2 ) = 2.010 Q(PSF) = 42.893 PO/PSF = 2110.6 RUN NO = 18.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1314 | -.1917 | -.1107 | -.1555 |
| .230 | -.0814 | -.1090 | -.0883 | -.0848 |
| .410 | -.0745 | -.0728 | -.0693 | -.0710 |
| .590 | -.0710 | -.0745 | -.0762 | -.0779 |
| .770 | -.0779 | -.0865 | -.0900 | -.0952 |
| .878 | -.0934 | -.1021 | -.0917 | -.0934 |

BETA ( 3 ) = .000 ALPHA ( 3 ) = 4.070 Q(PSF) = 42.893 PO/PSF = 2110.6 RUN NO = 18.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0832 | -.1454 | -.0919 | -.1091 |
| .230 | -.0435 | -.0694 | -.0401 | -.0245 |
| .410 | -.0349 | -.0314 | -.0263 | -.0194 |
| .590 | -.0349 | -.0401 | -.0366 | -.0314 |
| .770 | -.0435 | -.0522 | -.0556 | -.0556 |
| .878 | -.0608 | -.0694 | -.0573 | -.0556 |

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OF POOR QUALITY



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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM04)

BETA ( 3 ) = .000 ALPHA ( 4 ) = 6.140 Q(PSF) = 42.893 PO/PSF = 2110.6 RUN NO = 18.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0332 | -.1006 | -.0673 | -.0695 |
| .230 | -.0038 | -.0280 | .0065  | .0237  |
| .410 | .0047  | .0116  | .0186  | .0289  |
| .590 | .0030  | -.0004 | .0030  | .0168  |
| .770 | -.0125 | -.0142 | -.0125 | -.0125 |
| .878 | -.0298 | -.0332 | -.0194 | -.0142 |

BETA ( 3 ) = .000 ALPHA ( 5 ) = 8.240 Q(PSF) = 42.893 PO/PSF = 2110.6 RUN NO = 18.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |        |        |        |
|------|-------|--------|--------|--------|
| .050 | .0150 | -.0538 | -.0296 | -.0228 |
| .230 | .0357 | .0168  | .0495  | .0771  |
| .410 | .0443 | .0512  | .0616  | .0805  |
| .590 | .0426 | .0409  | .0461  | .0650  |
| .770 | .0271 | .0254  | .0288  | .0340  |
| .878 | .0082 | .0082  | .0254  | .0288  |

BETA ( 3 ) = .000 ALPHA ( 6 ) = 10.310 Q(PSF) = 42.893 PO/PSF = 2110.6 RUN NO = 18.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |        |        |       |
|------|-------|--------|--------|-------|
| .050 | .0564 | -.0176 | -.0004 | .0047 |
| .230 | .0720 | .0409  | .0926  | .1220 |
| .410 | .0789 | .0875  | .1013  | .1220 |
| .590 | .0737 | .0754  | .0857  | .1030 |
| .770 | .0582 | .0582  | .0616  | .0702 |
| .878 | .0392 | .0375  | .0547  | .0651 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM04)

BETA ( 4 ) = 5.050 ALPHA ( 1 ) = -.020 Q(PSF) = 42.915 PO/PSF = 2110.5 RUN NO = 17.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1262 | -.2106 | -.0952 | -.1710 |
| .230 | -.1038 | -.1210 | -.1158 | -.1210 |
| .410 | -.0989 | -.0986 | -.0986 | -.1020 |
| .590 | -.0986 | -.1038 | -.1038 | -.1038 |
| .770 | -.1055 | -.1141 | -.1158 | -.1193 |
| .878 | -.1244 | -.1296 | -.1176 | -.1193 |

BETA ( 4 ) = 5.050 ALPHA ( 2 ) = 2.010 Q(PSF) = 42.915 PO/PSF = 2110.5 RUN NO = 17.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0933 | -.1829 | -.0882 | -.1416 |
| .230 | -.0761 | -.1020 | -.0796 | -.0692 |
| .410 | -.0710 | -.0675 | -.0658 | -.0589 |
| .590 | -.0744 | -.0744 | -.0727 | -.0658 |
| .770 | -.0665 | -.0847 | -.0865 | -.0830 |
| .878 | -.1020 | -.1002 | -.0899 | -.0830 |

BETA ( 4 ) = 5.050 ALPHA ( 3 ) = 4.070 Q(PSF) = 42.915 PO/PSF = 2110.5 RUN NO = 17.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0624 | -.1434 | -.0797 | -.1021 |
| .230 | -.0400 | -.0693 | -.0348 | -.0210 |
| .410 | -.0400 | -.0297 | -.0228 | -.0124 |
| .590 | -.0417 | -.0366 | -.0331 | -.0245 |
| .770 | -.0572 | -.0521 | -.0503 | -.0469 |
| .878 | -.0745 | -.0693 | -.0555 | -.0503 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

PAGE 740

OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM04)

BETA ( 4 ) = 5.050 ALPHA ( 4 ) = 6.160 Q(PSF) = 42.915 PO/PSF = 2110.5 RUN NO = 17.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0315 | -.1110 | -.0574 | -.0712 |
| .230 | -.0073 | -.0401 | .0030  | .0237  |
| .410 | -.0073 | .0065  | .0151  | .0307  |
| .590 | -.0090 | -.0021 | .0047  | .0151  |
| .770 | -.0246 | -.0194 | -.0159 | -.0090 |
| .878 | -.0436 | -.0384 | -.0194 | -.0125 |

BETA ( 4 ) = 5.050 ALPHA ( 5 ) = 8.210 Q(PSF) = 42.915 PO/PSF = 2110.5 RUN NO = 17.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0055 | -.0779 | -.0331 | -.0486 |
| .230 | .0220  | -.0021 | .0375  | .0564  |
| .410 | .0202  | .0409  | .0513  | .0668  |
| .590 | .0168  | .0288  | .0375  | .0530  |
| .770 | -.0004 | .0099  | .0185  | .0271  |
| .878 | -.0193 | -.0090 | .0133  | .0220  |

BETA ( 4 ) = 5.050 ALPHA ( 6 ) = 10.290 Q(PSF) = 42.915 PO/PSF = 2110.5 RUN NO = 17.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |        |        |        |
|------|-------|--------|--------|--------|
| .050 | .0167 | -.0519 | -.0072 | -.0210 |
| .230 | .0460 | .0270  | .0717  | .0924  |
| .410 | .0460 | .0752  | .0838  | .1027  |
| .590 | .0442 | .0597  | .0700  | .0872  |
| .770 | .0270 | .0442  | .0494  | .0597  |
| .878 | .0064 | .0202  | .0425  | .0545  |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM04)

BETA ( 5 ) = 10.080 ALPHA ( 1 ) = .000 Q(PSF) = 42.775 PO/PSF = 2110.7 RUN NO = 16.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1248 | -.2009 | -.1024 | -.1508 |
| .230 | -.1041 | -.1110 | -.0989 | -.0954 |
| .410 | -.1058 | -.0903 | -.0868 | -.0851 |
| .590 | -.1093 | -.0989 | -.0954 | -.0885 |
| .770 | -.1248 | -.1110 | -.1058 | -.1041 |
| .878 | -.1421 | -.1266 | -.1075 | -.1058 |

BETA ( 5 ) = 10.080 ALPHA ( 2 ) = 2.070 Q(PSF) = 42.775 PO/PSF = 2110.7 RUN NO = 16.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1148 | -.1841 | -.0957 | -.1252 |
| .230 | -.0870 | -.0940 | -.0697 | -.0558 |
| .410 | -.0922 | -.0628 | -.0558 | -.0489 |
| .590 | -.0940 | -.0732 | -.0662 | -.0558 |
| .770 | -.1078 | -.0853 | -.0818 | -.0714 |
| .878 | -.1304 | -.1061 | -.0836 | -.0749 |

BETA ( 5 ) = 10.090 ALPHA ( 3 ) = 4.100 Q(PSF) = 42.775 PO/PSF = 2110.7 RUN NO = 16.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0974 | -.1649 | -.0835 | -.1060 |
| .230 | -.0714 | -.0766 | -.0419 | -.0315 |
| .410 | -.0783 | -.0367 | -.0298 | -.0160 |
| .590 | -.0749 | -.0471 | -.0350 | -.0229 |
| .770 | -.0956 | -.0645 | -.0541 | -.0437 |
| .878 | -.1164 | -.0853 | -.0575 | -.0471 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM04)

BETA ( 5 ) = 10.090 ALPHA ( 4 ) = 6.160 Q(PSF) = 42.775 PO/PSF = 2110.7 RUN NO = 16.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0762 | -.1399 | -.0641 | -.0865 |
| .230 | -.0538 | -.0538 | -.0141 | -.0004 |
| .410 | -.0641 | -.0090 | .0013  | .0219  |
| .590 | -.0589 | -.0193 | -.0055 | .0099  |
| .770 | -.0779 | -.0365 | -.0245 | -.0107 |
| .878 | -.1020 | -.0589 | -.0279 | -.0141 |

BETA ( 5 ) = 10.090 ALPHA ( 5 ) = 8.220 Q(PSF) = 42.775 PO/PSF = 2110.7 RUN NO = 16.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0522 | -.1128 | -.0419 | -.0695 |
| .230 | -.0332 | -.0246 | .0151  | .0289  |
| .410 | -.0436 | .0168  | .0324  | .0497  |
| .590 | -.0367 | .0082  | .0237  | .0410  |
| .770 | -.0574 | -.0090 | .0065  | .0186  |
| .878 | -.0834 | -.0345 | .0013  | .0151  |

BETA ( 5 ) = 10.090 ALPHA ( 6 ) = 10.340 Q(PSF) = 42.775 PO/PSF = 2110.7 RUN NO = 16.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0332 | -.0971 | -.0263 | -.0504 |
| .230 | -.0280 | -.0142 | .0358  | .0514  |
| .410 | -.0332 | .0410  | .0548  | .0773  |
| .590 | -.0263 | .0306  | .0479  | .0686  |
| .770 | -.0470 | .0134  | .0306  | .0462  |
| .878 | -.0729 | -.0073 | .0254  | .0444  |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM05) ( 11 MAY 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0405

## PARAMETRIC DATA

MACH = .170 ELEVON = .000  
 BDFLAP = .000 SPDBRK = 25.000  
 PHI-N = 6.000 THETAN = .000  
 PHI-M = 6.000 THETAM = 1.100

BETA ( 1 ) = -10.020 ALPHA ( 1 ) = .020 Q(PSF) = 42.853 PO/PSF = 2110.8 RUN NO = 25.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.5373 -.4804 -.2075 -.2559  
 .230 -.1799 -.2645 -.2041 -.2714  
 .410 -.1817 -.1609 -.1661 -.1713  
 .590 -.1609 -.1575 -.1609 -.1575  
 .770 -.1627 -.1609 -.1713 -.1834  
 .878 -.1696 -.1713 -.1696 -.1747

BETA ( 1 ) = -10.020 ALPHA ( 2 ) = 2.070 Q(PSF) = 42.853 PO/PSF = 2110.8 RUN NO = 25.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.4942 -.4372 -.1989 -.2110  
 .230 -.1316 -.2248 -.1402 -.1851  
 .410 -.1333 -.1109 -.1109 -.1091  
 .590 -.1160 -.1126 -.1109 -.1022  
 .770 -.1195 -.1195 -.1247 -.1368  
 .878 -.1299 -.1333 -.1264 -.1281

BETA ( 1 ) = -10.020 ALPHA ( 3 ) = 4.150 Q(PSF) = 42.853 PO/PSF = 2110.8 RUN NO = 25.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.4283 -.3679 -.1315 -.1505  
 .230 -.0815 -.1729 -.0745 -.0953  
 .410 -.0832 -.0573 -.0521 -.0452  
 .590 -.0711 -.0642 -.0556 -.0418  
 .770 -.0745 -.0711 -.0745 -.0815  
 .878 -.0866 -.0901 -.0815 -.0780

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM05)

BETA ( 1 ) = -10.020 ALPHA ( 4 ) = 6.210 Q(PSF) = 42.853 PO/PSF = 2110.8 RUN NO = 25.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3661 | -.2985 | -.0697 | -.0853 |
| .230 | -.0350 | -.1390 | -.0160 | -.0160 |
| .410 | -.0368 | -.0090 | .0013  | .0134  |
| .590 | -.0281 | -.0160 | -.0056 | .0117  |
| .770 | -.0333 | -.0298 | -.0298 | -.0316 |
| .878 | -.0454 | -.0472 | -.0385 | -.0281 |

BETA ( 1 ) = -10.020 ALPHA ( 5 ) = 8.290 Q(PSF) = 42.853 PO/PSF = 2110.8 RUN NO = 25.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3172 | -.2466 | -.0107 | -.0331 |
| .230 | .0116  | -.1226 | .0426  | .0529  |
| .410 | .0082  | .0409  | .0529  | .0738  |
| .590 | .0168  | .0323  | .0443  | .0667  |
| .770 | .0082  | .0133  | .0168  | .0168  |
| .878 | -.0038 | -.0072 | .0030  | .0168  |

BETA ( 1 ) = -10.020 ALPHA ( 6 ) = 10.360 Q(PSF) = 42.853 PO/PSF = 2110.8 RUN NO = 25.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |       |       |
|------|--------|--------|-------|-------|
| .050 | -.2501 | -.1778 | .0460 | .0237 |
| .230 | .0633  | -.0486 | .1029 | .1253 |
| .410 | .0615  | .0926  | .1115 | .1339 |
| .590 | .0667  | .0805  | .0977 | .1253 |
| .770 | .0547  | .0615  | .0684 | .0719 |
| .878 | .0374  | .0522  | .0564 | .0667 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

PAGE 745

OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM05)

BETA ( 2 ) = -5.010 ALPHA ( 1 ) = .010 Q(PSF) = 42.943 PO/PSF = 2110.7 RUN NO = 24.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4587 | -.4415 | -.2020 | -.2502 |
| .230 | -.1434 | -.2244 | -.1727 | -.2347 |
| .410 | -.1468 | -.1348 | -.1399 | -.1520 |
| .590 | -.1348 | -.1365 | -.1417 | -.1382 |
| .770 | -.1382 | -.1434 | -.1520 | -.1623 |
| .878 | -.1485 | -.1554 | -.1537 | -.1589 |

BETA ( 2 ) = -5.010 ALPHA ( 2 ) = 2.090 Q(PSF) = 42.943 PO/PSF = 2110.7 RUN NO = 24.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3778 | -.3830 | -.1882 | -.2038 |
| .230 | -.1038 | -.1882 | -.1124 | -.1538 |
| .410 | -.1021 | -.0917 | -.0883 | -.0900 |
| .590 | -.0934 | -.0952 | -.0934 | -.0848 |
| .770 | -.1003 | -.1021 | -.1072 | -.1141 |
| .878 | -.1107 | -.1193 | -.1124 | -.1141 |

BETA ( 2 ) = -5.010 ALPHA ( 3 ) = 4.180 Q(PSF) = 42.943 PO/PSF = 2110.7 RUN NO = 24.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3005 | -.3126 | -.1297 | -.1470 |
| .230 | -.0573 | -.1435 | -.0573 | -.0745 |
| .410 | -.0556 | -.0435 | -.0400 | -.0331 |
| .590 | -.0487 | -.0504 | -.0452 | -.0314 |
| .770 | -.0590 | -.0607 | -.0642 | -.0676 |
| .878 | -.0745 | -.0780 | -.0711 | -.0676 |



DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM05)

BETA ( 2 ) = -5.010 ALPHA ( 4 ) = 6.190 Q(PSF) = 42.943 PO/PSF = 2110.7 RUN NO = 24.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2186 | -.2616 | -.0691 | -.0897 |
| .230 | -.0141 | -.1017 | -.0038 | -.0055 |
| .410 | -.0089 | .0030  | .0116  | .0219  |
| .590 | -.0055 | -.0038 | .0030  | .0184  |
| .770 | -.0210 | -.0193 | -.0210 | -.0210 |
| .878 | -.0382 | -.0416 | -.0279 | -.0244 |

BETA ( 2 ) = -5.010 ALPHA ( 5 ) = 8.260 Q(PSF) = 42.943 PO/PSF = 2110.7 RUN NO = 24.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1109 | -.2077 | -.0194 | -.0436 |
| .230 | .0306  | -.0574 | .0514  | .0583  |
| .410 | .0341  | .0496  | .0617  | .0756  |
| .590 | .0393  | .0376  | .0479  | .0687  |
| .770 | .0185  | .0220  | .0220  | .0255  |
| .878 | -.0004 | -.0021 | .0134  | .0220  |

BETA ( 2 ) = -5.010 ALPHA ( 6 ) = 10.340 Q(PSF) = 42.943 PO/PSF = 2110.7 RUN NO = 24.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |       |        |
|------|--------|--------|-------|--------|
| .050 | -.0295 | -.1599 | .0236 | -.0021 |
| .230 | .0750  | -.0227 | .1008 | .1162  |
| .410 | .0785  | .0956  | .1077 | .1282  |
| .590 | .0750  | .0802  | .0939 | .1179  |
| .770 | .0596  | .0613  | .0648 | .0733  |
| .878 | .0390  | .0390  | .0527 | .0630  |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

PAGE 747

OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM05)

BETA ( 3 ) = .020 ALPHA ( 1 ) = .010 Q(PSF) = 42.960 PO/PSF = 2110.7 RUN NO = 23.000

SECTION ( 1 ) MAIN LND - DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2120 | -.3635 | -.1914 | -.2344 |
| .230 | -.1208 | -.1879 | -.1449 | -.1879 |
| .410 | -.1157 | -.1157 | -.1208 | -.1311 |
| .590 | -.1105 | -.1174 | -.1208 | -.1191 |
| .770 | -.1191 | -.1260 | -.1346 | -.1397 |
| .878 | -.1346 | -.1415 | -.1380 | -.1415 |

BETA ( 3 ) = .020 ALPHA ( 2 ) = 2.060 Q(PSF) = 42.960 PO/PSF = 2110.7 RUN NO = 23.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1483 | -.3186 | -.1707 | -.1947 |
| .230 | -.0829 | -.1552 | -.0950 | -.1191 |
| .410 | -.0760 | -.0726 | -.0726 | -.0743 |
| .590 | -.0743 | -.0795 | -.0795 | -.0726 |
| .770 | -.0864 | -.0933 | -.0950 | -.0967 |
| .878 | -.1053 | -.1070 | -.1019 | -.1001 |

BETA ( 3 ) = .020 ALPHA ( 3 ) = 4.110 Q(PSF) = 42.960 PO/PSF = 2110.7 RUN NO = 23.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0936 | -.2817 | -.1436 | -.1505 |
| .230 | -.0470 | -.1177 | -.0452 | -.0556 |
| .410 | -.0383 | -.0314 | -.0297 | -.0245 |
| .590 | -.0383 | -.0418 | -.0383 | -.0262 |
| .770 | -.0539 | -.0573 | -.0573 | -.0556 |
| .878 | -.0729 | -.0746 | -.0659 | -.0608 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM05)

BETA ( 3 ) = .020 ALPHA ( 4 ) = 6.220 Q(PSF) = 42.960 PO/PSF = 2110.7 RUN NO = 23.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0365 | -.2362 | -.0899 | -.1071 |
| .230 | -.0090 | -.0830 | .0013  | .0030  |
| .410 | .0030  | .0082  | .0150  | .0254  |
| .590 | -.0004 | -.0004 | .0064  | .0202  |
| .770 | -.0176 | -.0176 | -.0159 | -.0107 |
| .878 | -.0382 | -.0365 | -.0262 | -.0176 |

BETA ( 3 ) = .020 ALPHA ( 5 ) = 8.270 Q(PSF) = 42.960 PO/PSF = 2110.7 RUN NO = 23.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | .0013  | -.2088 | -.0296 | -.0606 |
| .230 | .0288  | -.0486 | .0460  | .0564  |
| .410 | .0357  | .0460  | .0581  | .0702  |
| .590 | .0323  | .0374  | .0443  | .0684  |
| .770 | .0116  | .0185  | .0219  | .0323  |
| .878 | -.0090 | -.0021 | .0082  | .0202  |

BETA ( 3 ) = .020 ALPHA ( 6 ) = 10.340 Q(PSF) = 42.960 PO/PSF = 2110.7 RUN NO = 23.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |        |       |        |
|------|-------|--------|-------|--------|
| .050 | .0391 | -.1688 | .0064 | -.0296 |
| .230 | .0649 | -.0055 | .0889 | .1027  |
| .410 | .0700 | .0855  | .0975 | .1130  |
| .590 | .0683 | .0752  | .0855 | .1061  |
| .770 | .0442 | .0546  | .0597 | .0700  |
| .878 | .0236 | .0288  | .0477 | .0614  |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM05)

BETA ( 4 ) = 5.030 ALPHA ( 1 ) = .020 Q(PSF) = 42.922 PO/PSF = 2110.6 RUN NO = 22.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1484 | -.3411 | -.1742 | -.2155 |
| .230 | -.1174 | -.1690 | -.1208 | -.1449 |
| .410 | -.1105 | -.1019 | -.1036 | -.1088 |
| .590 | -.1122 | -.1088 | -.1071 | -.1036 |
| .770 | -.1260 | -.1191 | -.1208 | -.1174 |
| .878 | -.1449 | -.1363 | -.1260 | -.1277 |

BETA ( 4 ) = 5.030 ALPHA ( 2 ) = 2.050 Q(PSF) = 42.922 PO/PSF = 2110.6 RUN NO = 22.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1193 | -.3036 | -.1641 | -.1882 |
| .230 | -.0848 | -.1348 | -.0779 | -.0900 |
| .410 | -.0848 | -.0658 | -.0624 | -.0641 |
| .590 | -.0848 | -.0727 | -.0693 | -.0607 |
| .770 | -.1003 | -.0882 | -.0882 | -.0796 |
| .878 | -.1193 | -.1089 | -.0934 | -.0917 |

BETA ( 4 ) = 5.030 ALPHA ( 3 ) = 4.120 Q(PSF) = 42.922 PO/PSF = 2110.6 RUN NO = 22.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0917 | -.2918 | -.1356 | -.1521 |
| .230 | -.0624 | -.1090 | -.0383 | -.0366 |
| .410 | -.0607 | -.0297 | -.0228 | -.0193 |
| .590 | -.0590 | -.0383 | -.0314 | -.0159 |
| .770 | -.0762 | -.0555 | -.0486 | -.0417 |
| .878 | -.0952 | -.0745 | -.0607 | -.0538 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM05)

BETA ( 4 ) = 5.030 ALPHA ( 4 ) = 6.190 Q(PSF) = 42.922 PO/PSF = 2110.6 RUN NO = 22.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0658 | -.2055 | -.1100 | -.1192 |
| .230 | -.0314 | -.0761 | -.0055 | .0030  |
| .410 | -.0314 | .0030  | .0116  | .0202  |
| .590 | -.0314 | -.0090 | -.0004 | .0168  |
| .770 | -.0538 | -.0262 | -.0176 | -.0072 |
| .878 | -.0761 | -.0486 | -.0279 | -.0193 |

BETA ( 4 ) = 5.030 ALPHA ( 5 ) = 8.260 Q(PSF) = 42.922 PO/PSF = 2110.6 RUN NO = 22.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0417 | -.2400 | -.0779 | -.0935 |
| .230 | -.0107 | -.0452 | .0323  | .0444  |
| .410 | -.0107 | .0375  | .0461  | .0582  |
| .590 | -.0107 | .0237  | .0358  | .0547  |
| .770 | -.0331 | .0064  | .0151  | .0323  |
| .878 | -.0573 | -.0159 | .0047  | .0151  |

BETA ( 4 ) = 5.030 ALPHA ( 6 ) = 10.340 Q(PSF) = 42.922 PO/PSF = 2110.6 RUN NO = 22.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0159 | -.2003 | -.0452 | -.0641 |
| .230 | .0099  | -.0228 | .0668  | .0805  |
| .410 | .0099  | .0702  | .0805  | .0926  |
| .590 | .0099  | .0547  | .0702  | .0909  |
| .770 | -.0107 | .0392  | .0478  | .0668  |
| .878 | -.0366 | .0151  | .0375  | .0512  |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM05)

BETA ( 5 ) = 10.060 ALPHA ( 1 ) = .000 Q(PSF) = 42.862 PO/PSF = 2110.7 RUN NO = 21.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1641 | -.3364 | -.1934 | -.2020 |
| .230 | -.1392 | -.1434 | -.1072 | -.1141 |
| .410 | -.1399 | -.0934 | -.0917 | -.0900 |
| .590 | -.1399 | -.1055 | -.0969 | -.0865 |
| .770 | -.1572 | -.1175 | -.1124 | -.1020 |
| .878 | -.1813 | -.1365 | -.1210 | -.1141 |

BETA ( 5 ) = 10.060 ALPHA ( 2 ) = 2.080 Q(PSF) = 42.862 PO/PSF = 2110.7 RUN NO = 21.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1522 | -.3231 | -.1799 | -.1799 |
| .230 | -.1350 | -.1315 | -.0746 | -.0711 |
| .410 | -.1350 | -.0842 | -.0590 | -.0521 |
| .590 | -.1298 | -.0763 | -.0659 | -.0487 |
| .770 | -.1557 | -.0901 | -.0798 | -.0694 |
| .878 | -.1764 | -.1108 | -.0867 | -.0832 |

BETA ( 5 ) = 10.060 ALPHA ( 3 ) = 4.200 Q(PSF) = 42.862 PO/PSF = 2110.7 RUN NO = 21.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1353 | -.3162 | -.1557 | -.1592 |
| .230 | -.1402 | -.1056 | -.0470 | -.0366 |
| .410 | -.1315 | -.0383 | -.0297 | -.0176 |
| .590 | -.1264 | -.0487 | -.0366 | -.0159 |
| .770 | -.1505 | -.0642 | -.0556 | -.0366 |
| .878 | -.1712 | -.0884 | -.0642 | -.0539 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFH05)

BETA ( 5 ) = 10.060 ALPHA ( 4 ) = 6.210 Q(PSF) = 42.862 PO/PSF = 2110.7 RUN NO = 21.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1162 | -.3030 | -.1301 | -.1405 |
| .230 | -.1456 | -.0886 | -.0194 | -.0038 |
| .410 | -.1266 | -.0169 | -.0021 | .0134  |
| .590 | -.1180 | -.0263 | -.0073 | .0168  |
| .770 | -.1439 | -.0401 | -.0280 | -.0055 |
| .878 | -.1629 | -.0644 | -.0384 | -.0211 |

BETA ( 5 ) = 10.060 ALPHA ( 5 ) = 8.320 Q(PSF) = 42.862 PO/PSF = 2110.7 RUN NO = 21.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0918 | -.2849 | -.1073 | -.1211 |
| .230 | -.1521 | -.0693 | .0099  | .0271  |
| .410 | -.1159 | .0116  | .0289  | .0478  |
| .590 | -.1056 | .0030  | .0237  | .0513  |
| .770 | -.1280 | -.0124 | .0013  | .0254  |
| .878 | -.1487 | -.0366 | -.0073 | .0116  |

BETA ( 5 ) = 10.050 ALPHA ( 6 ) = 10.370 Q(PSF) = 42.862 PO/PSF = 2110.7 RUN NO = 21.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0859 | -.2797 | -.0900 | -.1004 |
| .230 | -.1625 | -.0538 | .0358  | .0565  |
| .410 | -.1038 | .0392  | .0582  | .0771  |
| .590 | -.0900 | .0306  | .0496  | .0840  |
| .770 | -.1107 | .0168  | .0289  | .0582  |
| .878 | -.1262 | -.0107 | .0202  | .0392  |

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TABULATED PRESSURE DATA - OA163 ( NAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM06) ( 03 FEB 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0405

## PARAMETRIC DATA

MACH = .170 ELEVON = .000  
 BOFLAP = .000 SPDBRK = 25.000  
 PHI-N = 8.000 THETAN = 1.000  
 PHI-M = 8.000 THETAM = 1.100

BETA ( 1 ) = -10.050 ALPHA ( 1 ) = .020 Q(PSF) = 42.923 PO/PSF = 2114.2 RUN NO = 30.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.5976 -.7116 -.2610 -.2990  
 .230 -.2058 -.2765 -.2092 -.2265  
 .410 -.1937 -.1678 -.1764 -.2161  
 .590 -.1747 -.1661 -.1678 -.1643  
 .770 -.1747 -.1678 -.1764 -.1782  
 .878 -.1816 -.1833 -.1764 -.1764

BETA ( 1 ) = -10.050 ALPHA ( 2 ) = 2.100 Q(PSF) = 42.923 PO/PSF = 2114.2 RUN NO = 30.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.5351 -.6455 -.2488 -.2401  
 .230 -.1539 -.3247 -.1418 -.1591  
 .410 -.1453 -.1177 -.1159 -.1211  
 .590 -.1297 -.1194 -.1142 -.1021  
 .770 -.1315 -.1246 -.1280 -.1332  
 .878 -.1418 -.1418 -.1349 -.1297

BETA ( 1 ) = -10.060 ALPHA ( 3 ) = 4.170 Q(PSF) = 42.923 PO/PSF = 2114.2 RUN NO = 30.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.4662 -.5697 -.1850 -.1815  
 .230 -.1039 -.2764 -.0797 -.0918  
 .410 -.0952 -.0659 -.0590 -.0435  
 .590 -.0832 -.0728 -.0642 -.0452  
 .770 -.0901 -.0832 -.0814 -.0832  
 .878 -.0987 -.0987 -.0918 -.0883



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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM06)

BETA ( 1 ) = -10.060 ALPHA ( 4 ) = 6.210 Q(PSF) = 42.923 PO/PSF = 2114.2 RUN NO = 30.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3962 | -.4943 | -.0984 | -.0984 |
| .230 | -.0537 | -.2258 | -.0210 | -.0227 |
| .410 | -.0468 | -.0176 | -.0038 | .0219  |
| .590 | -.0417 | -.0262 | -.0158 | .0081  |
| .770 | -.0451 | -.0399 | -.0399 | -.0348 |
| .878 | -.0589 | -.0571 | -.0485 | -.0434 |

BETA ( 1 ) = -10.060 ALPHA ( 5 ) = 8.300 Q(PSF) = 42.923 PO/PSF = 2114.2 RUN NO = 30.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3340 | -.4321 | -.0606 | -.0520 |
| .230 | .0047  | -.1741 | .0391  | .0460  |
| .410 | .0047  | .0339  | .0511  | .0855  |
| .590 | .0116  | .0253  | .0408  | .0615  |
| .770 | -.0004 | .0081  | .0133  | .0167  |
| .878 | -.0158 | -.0124 | -.0021 | .0064  |

BETA ( 1 ) = -10.060 ALPHA ( 6 ) = 10.370 Q(PSF) = 42.923 PO/PSF = 2114.2 RUN NO = 30.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |       |
|------|--------|--------|--------|-------|
| .050 | -.2724 | -.3619 | -.0141 | .0047 |
| .230 | .0529  | -.1174 | .1011  | .1149 |
| .410 | .0512  | .0891  | .1097  | .1493 |
| .590 | .0598  | .0736  | .0908  | .1166 |
| .770 | .0443  | .0546  | .0615  | .0684 |
| .878 | .0288  | .0288  | .0443  | .0546 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM06)

BETA ( 2 ) = -5.030 ALPHA ( 1 ) = .010 Q(PSF) = 42.887 PO/PSF = 2114.0 RUN NO = 29.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4671 | -.6652 | -.2845 | -.2777 |
| .230 | -.1554 | -.2966 | -.1743 | -.1795 |
| .410 | -.1571 | -.1450 | -.1536 | -.2001 |
| .590 | -.1468 | -.1433 | -.1468 | -.1450 |
| .770 | -.1468 | -.1485 | -.1571 | -.1536 |
| .878 | -.1588 | -.1640 | -.1605 | -.1588 |

BETA ( 2 ) = -5.040 ALPHA ( 2 ) = 2.070 Q(PSF) = 42.887 PO/PSF = 2114.0 RUN NO = 29.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3923 | -.5947 | -.2450 | -.2364 |
| .230 | -.1072 | -.3518 | -.1175 | -.1210 |
| .410 | -.1123 | -.0917 | -.0968 | -.1175 |
| .590 | -.1020 | -.0986 | -.0934 | -.0882 |
| .770 | -.1072 | -.1072 | -.1106 | -.1089 |
| .878 | -.1210 | -.1244 | -.1175 | -.1192 |

BETA ( 2 ) = -5.040 ALPHA ( 3 ) = 4.180 Q(PSF) = 42.887 PO/PSF = 2114.0 RUN NO = 29.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2922 | -.5339 | -.1938 | -.1869 |
| .230 | -.0694 | -.3692 | -.0608 | -.0643 |
| .410 | -.0729 | -.0504 | -.0487 | -.0453 |
| .590 | -.0525 | -.0591 | -.0522 | -.0383 |
| .770 | -.0694 | -.0694 | -.0712 | -.0677 |
| .878 | -.0867 | -.0902 | -.0815 | -.0798 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

PAGE 755

0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM06)

BETA ( 2 ) = -5.040 ALPHA ( 4 ) = 6.210 Q(PSF) = 42.887 PO/PSF = 2114.0 RUN NO = 29.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.1750 -.4775 -.1421 -.1283

.230 -.0211 -.2925 -.0073 -.0055

.410 -.0211 -.0004 .0065 .0203

.590 -.0159 -.0107 .0013 .0116

.770 -.0263 -.0263 -.0228 -.0194

.878 -.0436 -.0470 -.0367 -.0367

BETA ( 2 ) = -5.030 ALPHA ( 5 ) = 8.290 Q(PSF) = 42.887 PO/PSF = 2114.0 RUN NO = 29.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.0952 -.4175 -.0934 -.0814

.230 .0237 -.2951 .0495 .0530

.410 .0254 .0426 .0599 .0806

.590 .0271 .0340 .0444 .0616

.770 .0133 .0151 .0185 .0288

.878 -.0055 -.0055 .0064 .0116

BETA ( 2 ) = -5.040 ALPHA ( 6 ) = 10.340 Q(PSF) = 42.887 FO/PSF = 2114.0 RUN NO = 29.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.0314 -.3708 -.0521 -.0365

.230 .0702 -.0951 .0978 .1047

.410 .0719 .0909 .1064 .1322

.590 .0650 .0754 .0909 .1081

.770 .0495 .0564 .0599 .0771

.878 .0306 .0288 .0426 .0495

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM06)

BETA ( 3 ) = -.010 ALPHA ( 1 ) = .000 Q(PSF) = 42.910 PO/PSF = 2114.0 RUN NO = 28.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2002 | -.5602 | -.2812 | -.2691 |
| .230 | -.1313 | -.3242 | -.1433 | -.1433 |
| .410 | -.1244 | -.1209 | -.1261 | -.1640 |
| .590 | -.1192 | -.1244 | -.1278 | -.1261 |
| .770 | -.1278 | -.1296 | -.1330 | -.1278 |
| .878 | -.1399 | -.1451 | -.1399 | -.1433 |

BETA ( 3 ) = .000 ALPHA ( 2 ) = 2.060 Q(PSF) = 42.910 PO/PSF = 2114.0 RUN NO = 28.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1590 | -.5143 | -.2470 | -.2349 |
| .230 | -.0969 | -.3608 | -.0987 | -.0969 |
| .410 | -.0866 | -.0814 | -.0831 | -.1038 |
| .590 | -.0866 | -.0849 | -.0866 | -.0780 |
| .770 | -.0987 | -.1004 | -.1004 | -.0918 |
| .878 | -.1142 | -.1142 | -.1107 | -.1107 |

BETA ( 3 ) = -.010 ALPHA ( 3 ) = 4.120 Q(PSF) = 42.910 PO/PSF = 2114.0 RUN NO = 28.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1108 | -.4799 | -.2005 | -.1832 |
| .230 | -.0538 | -.3713 | -.0487 | -.0435 |
| .410 | -.0435 | -.0366 | -.0349 | -.0400 |
| .590 | -.0452 | -.0452 | -.0400 | -.0331 |
| .770 | -.0642 | -.0625 | -.0590 | -.0452 |
| .878 | -.0832 | -.0832 | -.0711 | -.0711 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM06)

BETA ( 3 ) = -.010 ALPHA ( 4 ) = 6.200 Q(PSF) = 42.910 PO/PSF = 2114.0 RUN NO = 28.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0642 | -.4454 | -.1608 | -.1384 |
| .230 | -.0124 | -.3678 | .0013  | .0064  |
| .410 | -.0090 | .0064  | .0151  | .0185  |
| .590 | -.0142 | -.0055 | .0030  | .0151  |
| .770 | -.0349 | -.0262 | -.0193 | -.0004 |
| .878 | -.0573 | -.0504 | -.0331 | -.0297 |

BETA ( 3 ) = -.010 ALPHA ( 5 ) = 8.280 Q(PSF) = 42.910 PO/PSF = 2114.0 RUN NO = 28.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0142 | -.4056 | -.1245 | -.1038 |
| .230 | .0220  | -.2383 | .0427  | .0547  |
| .410 | .0306  | .0461  | .0565  | .0702  |
| .590 | .0237  | .0358  | .0461  | .0616  |
| .770 | .0013  | .0133  | .0202  | .0444  |
| .878 | -.0245 | -.0107 | .0030  | .0099  |

BETA ( 3 ) = -.010 ALPHA ( 6 ) = 10.350 Q(PSF) = 42.910 PO/PSF = 2114.0 RUN NO = 28.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |        |        |        |
|------|-------|--------|--------|--------|
| .050 | .0219 | -.3685 | -.0984 | -.0709 |
| .230 | .0580 | -.1913 | .0856  | .0976  |
| .410 | .0615 | .0838  | .0976  | .1131  |
| .590 | .0546 | .0718  | .0807  | .1028  |
| .770 | .0305 | .0477  | .0546  | .0838  |
| .878 | .0081 | .0236  | .0391  | .0477  |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM06)

BETA ( 4 ) = 5.020 ALPHA ( 1 ) = .000 Q(PSF) = 42.940 PO/PSF = 2113.9 RUN NO = 27.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1745 | -.4917 | -.2693 | -.2555 |
| .230 | -.1331 | -.2762 | -.1279 | -.1159 |
| .410 | -.1262 | -.1090 | -.1141 | -.1348 |
| .590 | -.1297 | -.1159 | -.1159 | -.1124 |
| .770 | -.1469 | -.1245 | -.1279 | -.1141 |
| .878 | -.1607 | -.1452 | -.1365 | -.1365 |

BETA ( 4 ) = 5.020 ALPHA ( 2 ) = 2.070 Q(PSF) = 42.940 PO/PSF = 2113.9 RUN NO = 27.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1433 | -.4894 | -.2535 | -.2208 |
| .230 | -.0985 | -.3138 | -.0813 | -.0675 |
| .410 | -.0951 | -.0675 | -.0658 | -.0778 |
| .590 | -.0925 | -.0761 | -.0710 | -.0641 |
| .770 | -.1192 | -.0899 | -.0865 | -.0710 |
| .878 | -.1381 | -.1106 | -.0968 | -.1020 |

BETA ( 4 ) = 5.020 ALPHA ( 3 ) = 4.130 Q(PSF) = 42.940 PO/PSF = 2113.9 RUN NO = 27.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1211 | -.4713 | -.2246 | -.1867 |
| .230 | -.0797 | -.3316 | -.0435 | -.0280 |
| .410 | -.0763 | -.0314 | -.0297 | -.0297 |
| .590 | -.0797 | -.0452 | -.0366 | -.0262 |
| .770 | -.1004 | -.0625 | -.0556 | -.0314 |
| .878 | -.1194 | -.0814 | -.0676 | -.0659 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM06)

BETA ( 4 ) = 5.020 ALPHA ( 4 ) = 6.180 Q(PSF) = 42.940 PO/PSF = 2113.9 RUN NO = 27.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0899 | -.4396 | -.1899 | -.1554 |
| .230 | -.0572 | -.3380 | -.0021 | .0116  |
| .410 | -.0503 | .0030  | .0116  | .0168  |
| .590 | -.0520 | -.0072 | .0013  | .0185  |
| .770 | -.0779 | -.0262 | -.0176 | .0099  |
| .878 | -.0986 | -.0486 | -.0314 | -.0279 |

BETA ( 4 ) = 5.020 ALPHA ( 5 ) = 8.270 Q(PSF) = 42.940 PO/PSF = 2113.9 RUN NO = 27.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0658 | -.4101 | -.1673 | -.1295 |
| .230 | -.0520 | -.3395 | .0323  | .0477  |
| .410 | -.0365 | .0323  | .0495  | .0546  |
| .590 | -.0348 | .0219  | .0391  | .0563  |
| .770 | -.0606 | .0013  | .0150  | .0477  |
| .878 | -.0830 | -.0158 | .0013  | .0082  |

BETA ( 4 ) = 5.020 ALPHA ( 6 ) = 10.370 Q(PSF) = 42.940 PO/PSF = 2113.9 RUN NO = 27.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0399 | -.3753 | -.1414 | -.0984 |
| .230 | -.0554 | -.2600 | .0632  | .0821  |
| .410 | -.0193 | .0649  | .0787  | .0924  |
| .590 | -.0176 | .0529  | .0718  | .0924  |
| .770 | -.0399 | .0339  | .0511  | .0838  |
| .878 | -.0623 | .0099  | .0305  | .0443  |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM06)

BETA ( 5 ) = 10.070 ALPHA ( 1 ) = .000 Q(PSF) = 42.935 PO/PSF = 2114.1 RUN NO = 26.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2004 | -.4781 | -.3177 | -.2538 |
| .230 | -.1901 | -.2556 | -.1090 | -.0952 |
| .410 | -.1763 | -.0952 | -.0952 | -.1021 |
| .590 | -.1746 | -.1056 | -.1021 | -.0901 |
| .770 | -.1918 | -.1176 | -.1159 | -.0952 |
| .878 | -.2108 | -.1366 | -.1228 | -.1245 |

BETA ( 5 ) = 10.070 ALPHA ( 2 ) = 2.050 Q(PSF) = 42.935 PO/PSF = 2114.1 RUN NO = 26.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1931 | -.4978 | -.2740 | -.2293 |
| .230 | -.2224 | -.2689 | -.0795 | -.0640 |
| .410 | -.1811 | -.0692 | -.0640 | -.0675 |
| .590 | -.1725 | -.0812 | -.0692 | -.0572 |
| .770 | -.1931 | -.0933 | -.0830 | -.0658 |
| .878 | -.2086 | -.1157 | -.0950 | -.0967 |

BETA ( 5 ) = 10.070 ALPHA ( 3 ) = 4.110 Q(PSF) = 42.935 PO/PSF = 2114.1 RUN NO = 26.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1727 | -.4984 | -.2623 | -.2054 |
| .230 | -.2520 | -.2537 | -.0503 | -.0314 |
| .410 | -.1727 | -.0452 | -.0331 | -.0279 |
| .590 | -.1624 | -.0555 | -.0365 | -.0176 |
| .770 | -.1813 | -.0676 | -.0607 | -.0297 |
| .878 | -.1951 | -.0865 | -.0710 | -.0624 |



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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFH06)

BETA ( 5 ) = 10.070 ALPHA ( 4 ) = 6.230 Q(PSF) = 42.935 PO/PSF = 2114.1 RUN NO = 26.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1519 | -.4893 | -.2500 | -.1915 |
| .230 | -.2758 | -.2517 | -.0245 | -.0021 |
| .410 | -.1708 | -.0227 | -.0072 | .0013  |
| .590 | -.1553 | -.0331 | -.0107 | .0099  |
| .770 | -.1708 | -.0417 | -.0331 | -.0004 |
| .878 | -.1794 | -.0554 | -.0468 | -.0331 |

BETA ( 5 ) = 10.070 ALPHA ( 5 ) = 8.280 Q(PSF) = 42.935 PO/PSF = 2114.1 RUN NO = 26.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1331 | -.4780 | -.2297 | -.1711 |
| .230 | -.2780 | -.2469 | -.0021 | .0271  |
| .410 | -.1624 | .0013  | .0220  | .0306  |
| .590 | -.1435 | -.0073 | .0116  | .0427  |
| .770 | -.1573 | -.0159 | -.0090 | .0306  |
| .878 | -.1676 | -.0314 | -.0228 | -.0004 |

BETA ( 5 ) = 10.070 ALPHA ( 6 ) = 10.340 Q(PSF) = 42.935 PO/PSF = 2114.1 RUN NO = 26.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1019 | -.4580 | -.2051 | -.1466 |
| .230 | -.2653 | -.2189 | .0288  | .0563  |
| .410 | -.1535 | .0288  | .0563  | .0649  |
| .590 | -.1277 | .0254  | .0426  | .0787  |
| .770 | -.1363 | .0167  | .0236  | .0649  |
| .878 | -.1449 | .0047  | .0099  | .0391  |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFMD7) ( 03 FEB 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
LREF = 474.8100 INCHES YMRP = .0000 IN. YO  
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
SCALE = .0405

PARAMETRIC DATA

MACH = .170 ELEVON = .000  
BDFLAP = .000 SPOBRK = 25.000  
PHI-N = 10.000 THETAN = 1.300  
PHI-M = 10.000 THETAM = 1.600

BETA ( 1 ) = -10.070 ALPHA ( 1 ) = .000 Q(PSF) = 42.880 PO/PSF = 2114.2 RUN NO = 35.000

SECTION ( 1 ) MAIN LND GR DR-O DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.6195 -.7954 -.2039 -.2884  
.230 -.1763 -.1694 -.2056 -.2297  
.410 -.1918 -.1659 -.1745 -.2159  
.590 -.1832 -.1659 -.1642 -.1642  
.770 -.1666 -.1676 -.1694 -.1763  
.878 -.1935 -.1797 -.1728 -.1728

BETA ( 1 ) = -10.070 ALPHA ( 2 ) = 2.060 Q(PSF) = 42.880 PO/PSF = 2114.2 RUN NO = 35.000

SECTION ( 1 ) MAIN LND GR DR-O DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.5525 -.7113 -.2091 -.2333  
.230 -.1332 -.1142 -.1436 -.1677  
.410 -.1436 -.1125 -.1160 -.1229  
.590 -.1384 -.1211 -.1160 -.1022  
.770 -.1436 -.1280 -.1298 -.1298  
.878 -.1505 -.1418 -.1349 -.1367

BETA ( 1 ) = -10.070 ALPHA ( 3 ) = 4.120 Q(PSF) = 42.880 PO/PSF = 2114.2 RUN NO = 35.000

SECTION ( 1 ) MAIN LND GR DR-O DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.4794 -.6241 -.1865 -.1744  
.230 -.0831 -.0572 -.0779 -.0969  
.410 -.0865 -.0555 -.0555 -.0434  
.590 -.0865 -.0658 -.0555 -.0417  
.770 -.0917 -.0779 -.0762 -.0779  
.878 -.1003 -.0969 -.0865 -.1020

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM07)

BETA ( 1 ) = -10.070 ALPHA ( 4 ) = 6.180 Q(PSF) = 42.880 PO/PSF = 2114.2 RUN NO = 35.000

SECTION ( 1 ) MAIN LND GR DR-0 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4318 | -.5508 | -.1591 | -.1108 |
| .230 | -.0366 | -.0038 | -.0176 | -.0297 |
| .410 | -.0435 | -.0090 | .0013  | .0220  |
| .590 | -.0400 | -.0211 | -.0073 | .0133  |
| .770 | -.0504 | -.0349 | -.0331 | -.0280 |
| .878 | -.0625 | -.0556 | -.0435 | -.0677 |

BETA ( 1 ) = -10.070 ALPHA ( 5 ) = 8.270 Q(PSF) = 42.880 PO/PSF = 2114.2 RUN NO = 35.000

SECTION ( 1 ) MAIN LND GR DR-0 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3680 | -.4698 | -.1264 | -.0521 |
| .230 | .0185  | .0548  | .0427  | .0392  |
| .410 | .0099  | .0427  | .0582  | .0841  |
| .590 | .0099  | .0306  | .0444  | .0669  |
| .770 | -.0004 | .0116  | .0168  | .0237  |
| .878 | -.0124 | -.0107 | -.0004 | -.0228 |

BETA ( 1 ) = -10.070 ALPHA ( 6 ) = 10.330 Q(PSF) = 42.880 PO/PSF = 2114.2 RUN NO = 35.000

SECTION ( 1 ) MAIN LND GR DR-0 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3262 | -.3917 | -.0883 | -.0055 |
| .230 | .0651  | .1082  | .1013  | .1013  |
| .410 | .0564  | .0944  | .1133  | .1461  |
| .590 | .0564  | .0771  | .0926  | .1185  |
| .770 | .0426  | .0547  | .0616  | .0720  |
| .878 | .0271  | .0306  | .0426  | .0254  |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM07)

BETA ( 2 ) = -5.050 ALPHA ( 1 ) = -.010 Q(PSF) = 42.928 PO/PSF = 2114.1 RUN NO = 34.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6869 | -.7471 | -.3015 | -.2825 |
| .230 | -.1346 | -.1380 | -.1707 | -.1827 |
| .410 | -.1466 | -.1328 | -.1483 | -.1948 |
| .590 | -.1397 | -.1397 | -.1449 | -.1518 |
| .770 | -.1466 | -.1449 | -.1483 | -.1449 |
| .878 | -.1552 | -.1586 | -.1518 | -.1535 |

BETA ( 2 ) = -5.050 ALPHA ( 2 ) = 2.090 Q(PSF) = 42.928 PO/PSF = 2114.1 RUN NO = 34.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6250 | -.6836 | -.3144 | -.2385 |
| .230 | -.0901 | -.0901 | -.1142 | -.1280 |
| .410 | -.1073 | -.0918 | -.0970 | -.1280 |
| .590 | -.1004 | -.0987 | -.0970 | -.0935 |
| .770 | -.1091 | -.1056 | -.1091 | -.1004 |
| .878 | -.1211 | -.1229 | -.1142 | -.1211 |

BETA ( 2 ) = -5.040 ALPHA ( 3 ) = 4.090 Q(PSF) = 42.928 PO/PSF = 2114.1 RUN NO = 34.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5429 | -.6135 | -.2911 | -.1847 |
| .230 | -.0469 | -.0417 | -.0624 | -.0658 |
| .410 | .0606  | -.0451 | -.0469 | -.0572 |
| .590 | -.0589 | -.0520 | -.0503 | -.0365 |
| .770 | -.0693 | -.0658 | -.0658 | -.0538 |
| .878 | -.0779 | -.0848 | -.0761 | -.0882 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM07)

BETA ( 2 ) = -5.040 ALPHA ( 4 ) = 6.200 Q(PSF) = 42.928 PO/PSF = 2114.1 RUN NO = 34.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3986 | -.5469 | -.2279 | -.1331 |
| .230 | -.0055 | .0082  | -.0038 | -.0073 |
| .410 | -.0176 | .0030  | .0082  | .0099  |
| .590 | -.0141 | -.0107 | -.0021 | .0115  |
| .770 | -.0297 | -.0245 | -.0228 | -.0073 |
| .878 | -.0417 | -.0435 | -.0366 | -.0486 |

BETA ( 2 ) = -5.040 ALPHA ( 5 ) = 8.270 Q(PSF) = 42.928 PO/PSF = 2114.1 RUN NO = 34.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2965 | -.4756 | -.1777 | -.0830 |
| .230 | .0409  | .0564  | .0512  | .0512  |
| .410 | .0288  | .0495  | .0598  | .0701  |
| .590 | .0323  | .0357  | .0478  | .0632  |
| .770 | .0168  | .0185  | .0236  | .0443  |
| .878 | .0013  | -.0021 | .0064  | -.0124 |

BETA ( 2 ) = -5.040 ALPHA ( 6 ) = 10.310 Q(PSF) = 42.928 PO/PSF = 2114.1 RUN NO = 34.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2141 | -.4037 | -.1279 | -.0383 |
| .230 | .0840  | .1047  | .1064  | .1030  |
| .410 | .0737  | .0978  | .1099  | .1271  |
| .590 | .0737  | .0823  | .0978  | .1168  |
| .770 | .0582  | .0599  | .0685  | .0961  |
| .878 | .0409  | .0375  | .0478  | .0306  |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFH07)

BETA ( 3 ) = .000 ALPHA ( 1 ) = .000 Q(PSF) = 42.928 PO/PSF = 2114.1 RUN NO = 33.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3971 | -.6886 | -.3143 | -.2746 |
| .230 | -.1108 | -.1228 | -.1470 | -.1556 |
| .410 | -.1194 | -.1142 | -.1297 | -.1798 |
| .590 | -.1177 | -.1194 | -.1297 | -.1401 |
| .770 | -.1246 | -.1280 | -.1366 | -.1315 |
| .878 | -.1349 | -.1418 | -.1401 | -.1453 |

BETA ( 3 ) = .000 ALPHA ( 2 ) = 2.050 Q(PSF) = 42.928 PO/PSF = 2114.1 RUN NO = 33.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3520 | -.6295 | -.2951 | -.2296 |
| .230 | -.0762 | -.0831 | -.0952 | -.0952 |
| .410 | -.0831 | -.0745 | -.0814 | -.1124 |
| .590 | -.0814 | -.0831 | -.0848 | -.0865 |
| .770 | -.0900 | -.0952 | -.0952 | -.0831 |
| .878 | -.1038 | -.1107 | -.1020 | -.1107 |

BETA ( 3 ) = .000 ALPHA ( 3 ) = 4.080 Q(PSF) = 42.928 PO/PSF = 2114.1 RUN NO = 33.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2834 | -.5873 | -.2524 | -.1868 |
| .230 | -.0401 | -.0401 | -.0487 | -.0435 |
| .410 | -.0435 | -.0366 | -.0383 | -.0539 |
| .590 | -.0435 | -.0452 | -.0435 | -.0383 |
| .770 | -.0556 | -.0590 | -.0590 | -.0383 |
| .878 | -.0729 | -.0780 | -.0711 | -.0832 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM07)

BETA ( 3 ) = .000 ALPHA ( 4 ) = 6.170 Q(PSF) = 42.928 PO/PSF = 2114.1 RUN NO = 33.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1983 | -.5373 | -.2137 | -.1432 |
| .230 | -.0004 | .0064  | -.0021 | .0081  |
| .410 | -.0090 | .0047  | .0099  | .0013  |
| .590 | -.0072 | -.0038 | .0013  | .0116  |
| .770 | -.0227 | -.0210 | -.0158 | .0081  |
| .878 | -.0417 | -.0417 | -.0331 | -.0434 |

BETA ( 3 ) = .000 ALPHA ( 5 ) = 8.290 Q(PSF) = 42.928 PO/PSF = 2114.1 RUN NO = 33.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0931 | -.4779 | -.1876 | -.0966 |
| .230 | .0356  | .0511  | .0459  | .0545  |
| .410 | .0305  | .0545  | .0545  | .0580  |
| .590 | .0322  | .0408  | .0476  | .0631  |
| .770 | .0133  | .0219  | .0270  | .0545  |
| .878 | -.0072 | -.0021 | .0099  | -.0021 |

BETA ( 3 ) = .000 ALPHA ( 6 ) = 10.350 Q(PSF) = 42.928 PO/PSF = 2114.1 RUN NO = 33.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0021 | -.4279 | -.1521 | -.0659 |
| .230 | .0668  | .0926  | .0892  | .0961  |
| .410 | .0530  | .0909  | .0961  | .1082  |
| .590 | .0564  | .0754  | .0857  | .1030  |
| .770 | .0409  | .0564  | .0616  | .0961  |
| .878 | .0202  | .0306  | .0426  | .0357  |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM07)

BETA ( 4 ) = 5.030 ALPHA ( 1 ) = -.010 Q(PSF) = 42.877 PO/PSF = 2114.0 RUN NO = 32.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2145 | -.6065 | -.3147 | -.2525 |
| .230 | -.1212 | -.1195 | -.1247 | -.1195 |
| .410 | -.1333 | -.1074 | -.1126 | -.1489 |
| .590 | -.1282 | -.1126 | -.1161 | -.1195 |
| .770 | -.1420 | -.1264 | -.1247 | -.1178 |
| .878 | -.1558 | -.1402 | -.1333 | -.1385 |

BETA ( 4 ) = 5.030 ALPHA ( 2 ) = 2.010 Q(PSF) = 42.877 PO/PSF = 2114.0 RUN NO = 32.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1658 | -.5949 | -.2985 | -.2209 |
| .230 | -.0934 | -.0779 | -.0831 | -.0710 |
| .410 | -.1107 | -.0693 | -.0727 | -.0934 |
| .590 | -.1020 | -.0762 | -.0762 | -.0727 |
| .770 | -.1141 | -.0865 | -.0900 | -.0727 |
| .878 | -.1313 | -.1055 | -.0986 | -.1020 |

BETA ( 4 ) = 5.030 ALPHA ( 3 ) = 4.100 Q(PSF) = 42.877 PO/PSF = 2114.0 RUN NO = 32.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1367 | -.5698 | -.2782 | -.1902 |
| .230 | -.0832 | -.0435 | -.0452 | -.0331 |
| .410 | -.1005 | -.0331 | -.0349 | -.0452 |
| .590 | -.0884 | -.0452 | -.0418 | -.0331 |
| .770 | -.1005 | -.0625 | -.0556 | -.0331 |
| .878 | -.1212 | -.0780 | -.0677 | -.0694 |



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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM07)

BETA ( 4 ) = 5.030 ALPHA ( 4 ) = 6.170 Q(PSF) = 42.877 PO/PSF = 2114.0 RUN NO = 32.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1022 | -.5266 | -.2454 | -.1574 |
| .230 | -.0694 | -.0004 | -.0090 | .0030  |
| .410 | -.0918 | -.0004 | .0047  | .0030  |
| .590 | -.0728 | -.0107 | -.0004 | .0116  |
| .770 | -.0832 | -.0280 | -.0193 | .0133  |
| .878 | -.1004 | -.0487 | -.0331 | -.0400 |

BETA ( 4 ) = 5.030 ALPHA ( 5 ) = 8.230 Q(PSF) = 42.877 PO/PSF = 2114.0 RUN NO = 32.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0814 | -.4903 | -.2160 | -.1332 |
| .230 | -.0745 | .0340  | .0254  | .0392  |
| .410 | -.0745 | .0306  | .0392  | .0444  |
| .590 | -.0625 | .0168  | .0306  | .0496  |
| .770 | -.0728 | -.0004 | .0133  | .0496  |
| .878 | -.0883 | -.0193 | -.0004 | -.0004 |

BETA ( 4 ) = 5.030 ALPHA ( 6 ) = 10.310 Q(PSF) = 42.877 PO/PSF = 2114.0 RUN NO = 32.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0572 | -.4537 | -.1900 | -.1089 |
| .230 | -.0959 | .0685  | .0581  | .0737  |
| .410 | -.0624 | .0599  | .0737  | .0823  |
| .590 | -.0434 | .0461  | .0702  | .0892  |
| .770 | -.0503 | .0288  | .0461  | .0874  |
| .878 | -.0659 | .0099  | .0306  | .0357  |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFH07)

BETA ( 5 ) = 10.110 ALPHA ( 1 ) = .000 Q(PSF) = 42.858 PO/PSF = 2114.1 RUN NO = 31.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2266 | -.5824 | -.3562 | -.2543 |
| .230 | -.2197 | -.1092 | -.1126 | -.0954 |
| .410 | -.2128 | -.1005 | -.1023 | -.1161 |
| .590 | -.1921 | -.1126 | -.1057 | -.0988 |
| .770 | -.2042 | -.1213 | -.1144 | -.0936 |
| .878 | -.2180 | -.1316 | -.1213 | -.1213 |

BETA ( 5 ) = 10.110 ALPHA ( 2 ) = 2.040 Q(PSF) = 42.858 PO/PSF = 2114.1 RUN NO = 31.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2162 | -.5961 | -.3129 | -.2335 |
| .230 | -.2939 | -.0763 | -.0867 | -.0677 |
| .410 | -.2231 | -.0763 | -.0712 | -.0781 |
| .590 | -.1938 | -.0867 | -.0729 | -.0643 |
| .770 | -.2007 | -.0971 | -.0867 | -.0591 |
| .878 | -.2059 | -.1126 | -.0988 | -.1005 |

BETA ( 5 ) = 10.110 ALPHA ( 3 ) = 4.100 Q(PSF) = 42.858 PO/PSF = 2114.1 RUN NO = 31.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1988 | -.5940 | -.3024 | -.2143 |
| .230 | -.3265 | -.0452 | -.0590 | -.0400 |
| .410 | -.2212 | -.0521 | -.0400 | -.0418 |
| .590 | -.1919 | -.0625 | -.0383 | -.0262 |
| .770 | -.1919 | -.0694 | -.0508 | -.0228 |
| .878 | -.1971 | -.0832 | -.0746 | -.0711 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM07)

BETA ( 5 ) = 10.110 ALPHA ( 4 ) = 6.210 Q(PSF) = 42.858 PO/PSF = 2114.1 RUN NO = 31.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1730 | -.5684 | -.2870 | -.1955 |
| .230 | -.3319 | -.0245 | -.0297 | -.0090 |
| .410 | -.2127 | -.0280 | -.0073 | -.0073 |
| .590 | -.1782 | -.0332 | -.0124 | .0099  |
| .770 | -.1817 | -.0418 | -.0314 | .0116  |
| .878 | -.1817 | -.0504 | -.0453 | -.0349 |

BETA ( 5 ) = 10.110 ALPHA ( 5 ) = 8.250 Q(PSF) = 42.858 PO/PSF = 2114.1 RUN NO = 31.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1573 | -.5591 | -.2556 | -.1814 |
| .230 | -.3211 | -.0055 | -.0055 | .0202  |
| .410 | -.2021 | -.0021 | .0237  | .0220  |
| .590 | -.1711 | -.0073 | .0133  | .0392  |
| .770 | -.1711 | -.0124 | -.0038 | .0461  |
| .878 | -.1728 | -.0228 | -.0176 | .0913  |

BETA ( 5 ) = 10.100 ALPHA ( 6 ) = 10.330 Q(PSF) = 42.858 PO/PSF = 2114.1 RUN NO = 31.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1331 | -.5554 | -.2314 | -.1607 |
| .230 | -.3124 | .0151  | .0220  | .0461  |
| .410 | -.1934 | .0254  | .0495  | .0513  |
| .590 | -.1590 | .0220  | .0392  | .0702  |
| .770 | -.1572 | .0202  | .0271  | .0788  |
| .878 | -.1555 | .0116  | .0133  | .0392  |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM08) ( 03 FEB 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0405

## PARAMETRIC DATA

MACH = .170 ELEVON = .000  
 BDFLAP = .000 SPDBRK = 25.000  
 PHI-N = 15.000 THETAN = 2.000  
 PHI-M = 15.000 THETAM = 2.400

BETA ( 1 ) = -10.070 ALPHA ( 1 ) = .010 Q(PSF) = 42.867 PO/PSF = 2125.6 RUN NO = 156.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.6073 -.7590 -.9952 -.2779  
 .230 -.2055 -.1279 -.1935 -.2159  
 .410 -.1797 -.1521 -.1590 -.1366  
 .590 -.1935 -.1710 -.1573 -.1314  
 .770 -.2021 -.1797 -.1848 -.2297  
 .878 -.2124 -.1986 -.1917 -.2538

BETA ( 1 ) = -10.070 ALPHA ( 2 ) = 2.090 Q(PSF) = 42.867 PO/PSF = 2125.6 RUN NO = 156.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.5457 -.6717 -.9271 -.2057  
 .230 -.1557 -.0659 -.1194 -.1557  
 .410 -.1298 -.0970 -.0953 -.0642  
 .590 -.1470 -.1194 -.1022 -.0780  
 .770 -.1540 -.1315 -.1384 -.1781  
 .878 -.1660 -.1540 -.1505 -.2264

BETA ( 1 ) = -10.070 ALPHA ( 3 ) = 4.130 Q(PSF) = 42.867 PO/PSF = 2125.6 RUN NO = 156.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.4880 -.5866 -.8338 -.1335  
 .230 -.1058 -.0125 -.0557 -.0868  
 .410 -.0799 -.0436 -.0384 -.0021  
 .590 -.0937 -.0695 -.0505 -.0246  
 .770 -.1093 -.0885 -.0903 -.1300  
 .878 -.1249 -.1110 -.1041 -.1837

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM08)

BETA ( 1 ) = -10.070 ALPHA ( 4 ) = 6.220 Q(PSF) = 42.867 PO/PSF = 2125.6 RUN NO = 156.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4377 | -.5121 | -.7299 | -.0591 |
| .230 | -.0488 | .0376  | .0065  | -.0263 |
| .410 | -.0349 | .0082  | .0168  | .0583  |
| .590 | -.0470 | -.0176 | .0013  | .0341  |
| .770 | -.0626 | -.0419 | -.0401 | -.0730 |
| .878 | -.0799 | -.0678 | -.0591 | -.1369 |

BETA ( 1 ) = -10.080 ALPHA ( 5 ) = 8.300 Q(PSF) = 42.867 PO/PSF = 2125.6 RUN NO = 156.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | .0064  | .0322  | .0563  | .0873  |
| .230 | -.0107 | .0099  | .0116  | -.0141 |
| .410 | -.0296 | -.0193 | -.0090 | -.0795 |
| .590 | -.0881 | -.3807 | -.4186 | -.6182 |
| .770 | -.0572 | .0081  | .0822  | .0770  |
| .878 | -.0468 | .0168  | .0632  | .0770  |

BETA ( 1 ) = -10.070 ALPHA ( 6 ) = 10.360 Q(PSF) = 42.867 PO/PSF = 2125.6 RUN NO = 156.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3347 | -.3382 | -.4933 | .0599  |
| .230 | .0702  | .1202  | .1374  | .0961  |
| .410 | .0633  | .1133  | .1305  | .1753  |
| .590 | .0512  | .0823  | .1064  | .1409  |
| .770 | .0375  | .0547  | .0616  | .0444  |
| .878 | .0151  | .0271  | .0409  | -.0228 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFH08)

BETA ( 2 ) = -5.050 ALPHA ( 1 ) = .020 Q(PSF) = 42.923 PO/PSF = 2125.5 RUN NO = 157.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6984 | -.6743 | -.9190 | -.2865 |
| .230 | -.1486 | -.1365 | -.1572 | -.1986 |
| .410 | -.1434 | -.1227 | -.1400 | -.1744 |
| .590 | -.1520 | -.1451 | -.1400 | -.1296 |
| .770 | -.1624 | -.1555 | -.1606 | -.1813 |
| .878 | -.1744 | -.1744 | -.1675 | -.2106 |

BETA ( 2 ) = -5.050 ALPHA ( 2 ) = 2.070 Q(PSF) = 42.923 PO/PSF = 2125.5 RUN NO = 157.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6650 | -.6117 | -.8200 | -.2294 |
| .230 | -.0865 | -.0968 | -.0933 | -.1398 |
| .410 | -.0985 | -.0761 | -.0847 | -.0985 |
| .590 | -.1088 | -.0985 | -.0899 | -.0727 |
| .770 | -.1192 | -.1140 | -.1157 | -.1347 |
| .878 | -.1347 | -.1364 | -.1278 | -.1829 |

BETA ( 2 ) = -5.050 ALPHA ( 3 ) = 4.160 Q(PSF) = 42.923 PO/PSF = 2125.5 RUN NO = 157.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6041 | -.5471 | -.7179 | -.1642 |
| .230 | -.0349 | -.0435 | -.0331 | -.0763 |
| .410 | -.0556 | -.0297 | -.0297 | -.0280 |
| .590 | -.0625 | -.0538 | -.0383 | -.0211 |
| .770 | -.0763 | -.0694 | -.0694 | -.0832 |
| .878 | -.0952 | -.0935 | -.0849 | -.1366 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM08)

BETA ( 2 ) = -5.050 ALPHA ( 4 ) = 6.240 Q(PSF) = 42.923 PO/PSF = 2125.5 RUN NO = 157.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5372 | -.4820 | -.6132 | -.1057 |
| .230 | .0064  | .0064  | .0289  | -.0176 |
| .410 | -.0107 | .0168  | .0237  | .0341  |
| .590 | -.0193 | -.0073 | .0099  | .0289  |
| .770 | -.0332 | -.0280 | -.0263 | -.0314 |
| .878 | -.0556 | -.0539 | -.0418 | -.0884 |

BETA ( 2 ) = -5.050 ALPHA ( 5 ) = 8.280 Q(PSF) = 42.923 PO/PSF = 2125.5 RUN NO = 157.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4462 | -.4204 | -.5099 | -.0840 |
| .230 | .0460  | .0581  | .0822  | .0340  |
| .410 | .0340  | .0515  | .0753  | .0942  |
| .590 | .0236  | .0374  | .0546  | .0822  |
| .770 | .0064  | .0133  | .0168  | .0185  |
| .878 | -.0141 | -.0107 | -.0004 | -.0451 |

BETA ( 2 ) = -5.050 ALPHA ( 6 ) = 10.340 Q(PSF) = 42.923 PO/PSF = 2125.5 RUN NO = 157.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3101 | -.3634 | -.4150 | -.0468 |
| .230 | .0925  | .1062  | .1286  | .0890  |
| .410 | .0939  | .1131  | .1286  | .1510  |
| .590 | .0718  | .0856  | .1062  | .1320  |
| .770 | .0529  | .0598  | .0667  | .0735  |
| .878 | .0322  | .0322  | .0460  | -.0004 |

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## TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM08)

BETA ( 3 ) = .000 ALPHA ( 1 ) = .000 Q(PSF) = 42.883 PO/PSF = 2125.4 RUN NO = 155.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6265 | -.6955 | -.8352 | -.2608 |
| .230 | -.1039 | -.1194 | -.1280 | -.1711 |
| .410 | -.1177 | -.1108 | -.1246 | -.1832 |
| .590 | -.1246 | -.1280 | -.1315 | -.1418 |
| .770 | -.1332 | -.1384 | -.1487 | -.1504 |
| .878 | -.1522 | -.1591 | -.1522 | -.1694 |

BETA ( 3 ) = .000 ALPHA ( 2 ) = 2.070 Q(PSF) = 42.883 PO/PSF = 2125.4 RUN NO = 155.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5533 | -.6448 | -.7485 | -.2042 |
| .230 | -.0660 | -.0798 | -.0833 | -.1109 |
| .410 | -.0816 | -.0695 | -.0764 | -.1161 |
| .590 | -.0850 | -.0885 | -.0850 | -.0798 |
| .770 | -.0971 | -.1006 | -.1040 | -.1023 |
| .878 | -.1161 | -.1213 | -.1127 | -.1334 |

BETA ( 3 ) = .000 ALPHA ( 3 ) = 4.130 Q(PSF) = 42.883 PO/PSF = 2125.4 RUN NO = 155.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4692 | -.5881 | -.6591 | -.1762 |
| .230 | -.0331 | -.0331 | -.0366 | -.0676 |
| .410 | -.0469 | -.0228 | -.0279 | -.0452 |
| .590 | -.0486 | -.0434 | -.0348 | -.0228 |
| .770 | -.0607 | -.0590 | -.0590 | -.0572 |
| .878 | -.0831 | -.0831 | -.0728 | -.1021 |



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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM08)

BETA ( 3 ) = .000 ALPHA ( 4 ) = 6.200 Q(PSF) = 42.883 PO/PSF = 2125.4 RUN NO = 155.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3838 | -.5306 | -.5824 | -.1644 |
| .230 | -.0107 | .0203  | .0030  | -.0159 |
| .410 | -.0194 | .0203  | .0185  | .0134  |
| .590 | -.0211 | -.0055 | .0099  | .0254  |
| .770 | -.0349 | -.0263 | -.0176 | -.0107 |
| .878 | -.0556 | -.0504 | -.0349 | -.0677 |

BETA ( 3 ) = .000 ALPHA ( 5 ) = 8.280 Q(PSF) = 42.883 PO/PSF = 2125.4 RUN NO = 155.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2656 | -.4758 | -.4999 | -.1657 |
| .230 | -.0185 | .0788  | .0357  | .0323  |
| .410 | -.0004 | .0581  | .0633  | .0684  |
| .590 | .0047  | .0340  | .0512  | .0719  |
| .770 | -.0090 | .0133  | .0219  | .0374  |
| .878 | -.0279 | -.0124 | .0047  | -.0296 |

BETA ( 3 ) = .000 ALPHA ( 6 ) = 10.340 Q(PSF) = 42.883 PO/PSF = 2125.4 RUN NO = 155.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1295 | -.4327 | -.4275 | -.1674 |
| .230 | .0460  | .1253  | .0719  | .0770  |
| .410 | .0116  | .0960  | .1063  | .1167  |
| .590 | .0271  | .0719  | .0960  | .1167  |
| .770 | .0185  | .0495  | .0615  | .0805  |
| .878 | -.0038 | .0237  | .0409  | .0150  |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFH08)

BETA ( 4 ) = 5.000 ALPHA ( 1 ) = .000 Q(PSF) = 42.867 PO/PSF = 2125.4 RUN NO = 158.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3850 | -.7439 | -.7180 | -.2591 |
| .230 | -.1384 | -.1211 | -.1384 | -.1435 |
| .410 | -.1918 | -.1073 | -.1211 | -.1522 |
| .590 | -.1694 | -.1211 | -.1194 | -.1211 |
| .770 | -.1660 | -.1315 | -.1332 | -.1263 |
| .878 | -.1832 | -.1522 | -.1384 | -.1539 |

BETA ( 4 ) = 5.000 ALPHA ( 2 ) = 2.070 Q(PSF) = 42.867 PO/PSF = 2125.4 RUN NO = 158.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2834 | -.6976 | -.6890 | -.2523 |
| .230 | -.1298 | -.0728 | -.0936 | -.1005 |
| .410 | -.1747 | -.0677 | -.0728 | -.0901 |
| .590 | -.1488 | -.0849 | -.0746 | -.0677 |
| .770 | -.1453 | -.0987 | -.0936 | -.0815 |
| .878 | -.1643 | -.1177 | -.1022 | -.1246 |

BETA ( 4 ) = 5.000 ALPHA ( 3 ) = 4.130 Q(PSF) = 42.867 PO/PSF = 2125.4 RUN NO = 158.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1990 | -.6532 | -.6393 | -.2387 |
| .230 | -.1333 | -.0194 | -.0591 | -.0556 |
| .410 | -.1541 | -.0349 | -.0314 | -.0401 |
| .590 | -.1333 | -.0539 | -.0366 | -.0245 |
| .770 | -.1282 | -.0660 | -.0573 | -.0384 |
| .878 | -.1472 | -.0857 | -.0677 | -.0902 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM08)

BETA ( 4 ) = 5.000 ALPHA ( 4 ) = 6.200 Q(PSF) = 42.867 PO/PSF = 2125.4 RUN NO = 158.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1662 | -.6136 | -.5842 | -.2456 |
| .230 | -.1575 | .0116  | -.0280 | -.0176 |
| .410 | -.1506 | -.0055 | .0047  | .0047  |
| .590 | -.1247 | -.0211 | .0030  | .0203  |
| .770 | -.1178 | -.0349 | -.0228 | -.0004 |
| .878 | -.1368 | -.0608 | -.0349 | -.0591 |

BETA ( 4 ) = 5.000 ALPHA ( 5 ) = 8.260 Q(PSF) = 42.867 PO/PSF = 2125.4 RUN NO = 158.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1415 | -.5805 | -.5254 | -.2379 |
| .230 | -.1828 | .0409  | .0013  | .0168  |
| .410 | -.1415 | .0254  | .0426  | .0426  |
| .590 | -.1105 | .0099  | .0409  | .0598  |
| .770 | -.1036 | -.0055 | .0099  | .0426  |
| .878 | -.1209 | -.0279 | -.0021 | -.0210 |

BETA ( 4 ) = 5.000 ALPHA ( 6 ) = 10.370 Q(PSF) = 42.867 PO/PSF = 2125.4 RUN NO = 158.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1195 | -.5408 | -.4665 | -.2214 |
| .230 | -.2162 | .0634  | .0323  | .0513  |
| .410 | -.1333 | .0531  | .0841  | .0824  |
| .590 | -.0970 | .0410  | .0738  | .1031  |
| .770 | -.0867 | .0306  | .0479  | .0859  |
| .878 | -.1057 | .0047  | .0306  | .0134  |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM08)

BETA ( 5 ) = 10.050 ALPHA ( 1 ) = .000 Q(PSF) = 42.887 PO/PSF = 2125.5 RUN NO = 159.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2956 | -.7393 | -.6823 | -.3750 |
| .230 | -.3854 | -.1126 | -.1350 | -.1212 |
| .410 | -.3077 | -.1126 | -.1091 | -.1229 |
| .590 | -.2611 | -.1247 | -.1091 | -.0988 |
| .770 | -.2490 | -.1298 | -.1212 | -.1022 |
| .878 | -.2628 | -.1454 | -.1254 | -.1454 |

BETA ( 5 ) = 10.050 ALPHA ( 2 ) = 2.050 Q(PSF) = 42.887 PO/PSF = 2125.5 RUN NO = 159.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3004 | -.7021 | -.6469 | -.2986 |
| .230 | -.4693 | -.0745 | -.1073 | -.0866 |
| .410 | -.3452 | -.0883 | -.0745 | -.0797 |
| .590 | -.2797 | -.1004 | -.0710 | -.0590 |
| .770 | -.2573 | -.1038 | -.0935 | -.0642 |
| .878 | -.2642 | -.1176 | -.1004 | -.1262 |

BETA ( 5 ) = 10.050 ALPHA ( 3 ) = 4.130 Q(PSF) = 42.887 PO/PSF = 2125.5 RUN NO = 159.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2937 | -.6854 | -.6268 | -.3058 |
| .230 | -.4818 | -.0487 | -.0849 | -.0573 |
| .410 | -.3558 | -.0642 | -.0331 | -.0435 |
| .590 | -.2782 | -.0728 | -.0383 | -.0176 |
| .770 | -.2540 | -.0746 | -.0659 | -.0262 |
| .878 | -.2609 | -.0884 | -.0728 | -.0953 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM08)

BETA ( 5 ) = 10.050 ALPHA ( 4 ) = 6.200 Q(PSF) = 42.887 PO/PSF = 2125.5 RUN NO = 159.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0750 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2800 | -.6890 | -.5906 | -.3231 |
| .230 | -.4681 | -.0418 | -.0746 | -.0366 |
| .410 | -.3490 | -.0401 | .0013  | -.0090 |
| .590 | -.2731 | -.0435 | -.0107 | .0203  |
| .770 | -.2541 | -.0435 | -.0349 | .0168  |
| .878 | -.2541 | -.0539 | -.0435 | -.0573 |

BETA ( 5 ) = 10.050 ALPHA ( 5 ) = 8.280 Q(PSF) = 42.887 PO/PSF = 2125.5 RUN NO = 159.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2571 | -.6826 | -.5465 | -.3243 |
| .230 | -.4690 | -.0348 | -.0607 | -.0159 |
| .410 | -.3363 | -.0193 | .0288  | .0219  |
| .590 | -.2691 | -.0176 | .0133  | .0512  |
| .770 | -.2519 | -.0159 | -.0072 | .0495  |
| .878 | -.2519 | -.0262 | -.0159 | -.0228 |

BETA ( 5 ) = 10.050 ALPHA ( 6 ) = 10.320 Q(PSF) = 42.887 PO/PSF = 2125.5 RUN NO = 159.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2398 | -.6773 | -.4827 | -.3311 |
| .230 | -.4723 | -.0210 | -.0314 | -.0004 |
| .410 | -.3242 | .0030  | .0495  | .0495  |
| .590 | -.2656 | .0082  | .0409  | .0891  |
| .770 | -.2501 | .0168  | .0202  | .0857  |
| .878 | -.2415 | .0082  | .0133  | .0150  |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM09) ( 03 FEB 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
LREF = 474.8100 INCHES YMRP = .0000 IN. YO  
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
SCALE = .0405

PARAMETRIC DATA

MACH = .170 ELEVON = .000  
BDFLAP = .000 SPDBRK = 25.000  
PHI-N = 20.000 THETAN = 2.900  
PHI-M = 20.000 THETAM = 3.100

BETA ( 1 ) = -10.050 ALPHA ( 1 ) = .000 Q(PSF) = 42.902 PO/PSF = 2125.6 RUN NO = 150.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.6258 -.7571 -.9921 -.2492  
.230 -.2042 -.1196 -.1783 -.2181  
.410 -.1749 -.1472 -.1507 -.1317  
.590 -.1887 -.1645 -.1524 -.1282  
.770 -.2077 -.1783 -.1818 -.2319  
.878 -.2215 -.2025 -.1904 -.2371

BETA ( 1 ) = -10.050 ALPHA ( 2 ) = 2.060 Q(PSF) = 42.902 PO/PSF = 2125.6 RUN NO = 150.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.5774 -.6724 -.8987 -.1818  
.230 -.1558 -.0626 -.1092 -.1541  
.410 -.1351 -.0936 -.0936 -.0608  
.590 -.1420 -.1144 -.1023 -.0764  
.770 -.1593 -.1334 -.1351 -.1887  
.878 -.1766 -.1610 -.1507 -.2180

BETA ( 1 ) = -10.060 ALPHA ( 3 ) = 4.120 Q(PSF) = 42.902 PO/PSF = 2125.6 RUN NO = 150.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.5259 -.5914 -.7896 -.1089  
.230 -.0865 -.0055 -.0383 -.0848  
.410 -.0848 -.0400 -.0331 -.0021  
.590 -.0900 -.0658 -.0452 -.0176  
.770 -.1089 -.0848 -.0848 -.1330  
.878 -.1262 -.1141 -.1020 -.1744

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM09)

BETA ( 1 ) = -10.060 ALPHA ( 4 ) = 6.200 Q(PSF) = 42.902 PO/PSF = 2125.6 RUN NO = 150.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4782 | -.5127 | -.6835 | -.0418 |
| .230 | -.0245 | .0427  | .0254  | -.0228 |
| .410 | -.0400 | .0133  | .0220  | .0582  |
| .590 | -.0418 | -.0159 | .0082  | .0358  |
| .770 | -.0625 | -.0383 | -.0366 | -.0745 |
| .878 | -.0814 | -.0676 | -.0556 | -.1263 |

BETA ( 1 ) = -10.060 ALPHA ( 5 ) = 8.290 Q(PSF) = 42.902 PO/PSF = 2125.6 RUN NO = 150.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4219 | -.4202 | -.5579 | .0271  |
| .230 | .0322  | .0856  | .0976  | .0408  |
| .410 | .0099  | .0649  | .0787  | .1114  |
| .590 | .0047  | .0357  | .0598  | .0925  |
| .770 | -.0158 | .0116  | .0168  | -.0141 |
| .878 | -.0330 | -.0210 | -.0055 | -.0692 |

BETA ( 1 ) = -10.060 ALPHA ( 6 ) = 10.400 Q(PSF) = 42.902 PO/PSF = 2125.6 RUN NO = 150.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3665 | -.3339 | -.4198 | .0889  |
| .230 | .0872  | .1319  | .1663  | .1010  |
| .410 | .0649  | .1165  | .1371  | .1749  |
| .590 | .0546  | .0907  | .1165  | .1457  |
| .770 | .0356  | .0597  | .0666  | .0494  |
| .878 | .0133  | .0253  | .0442  | -.0090 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM09)

BETA ( 2 ) = -5.030 ALPHA ( 1 ) = .000 Q(PSF) = 42.935 PO/PSF = 2125.5 RUN NO = 151.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6955 | -.6732 | -.8797 | -.2585 |
| .230 | -.1363 | -.1432 | -.1397 | -.2155 |
| .410 | -.1346 | -.1191 | -.1415 | -.1810 |
| .590 | -.1449 | -.1466 | -.1432 | -.1397 |
| .770 | -.1638 | -.1587 | -.1638 | -.1879 |
| .878 | -.1810 | -.1810 | -.1690 | -.1862 |

BETA ( 2 ) = -5.030 ALPHA ( 2 ) = 2.070 Q(PSF) = 42.935 PO/PSF = 2125.5 RUN NO = 151.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6698 | -.6009 | -.7593 | -.1931 |
| .230 | -.0744 | -.1002 | -.0675 | -.1535 |
| .410 | -.0864 | -.0726 | -.0795 | -.1071 |
| .590 | -.1019 | -.0950 | -.0881 | -.0761 |
| .770 | -.1191 | -.1122 | -.1139 | -.1311 |
| .878 | -.1380 | -.1380 | -.1243 | -.1570 |

BETA ( 2 ) = -5.030 ALPHA ( 3 ) = 4.140 Q(PSF) = 42.935 PO/PSF = 2125.5 RUN NO = 151.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6346 | -.5398 | -.6536 | -.1348 |
| .230 | -.0331 | -.0486 | -.0097 | -.0917 |
| .410 | -.0469 | -.0279 | -.0279 | -.0400 |
| .590 | -.0572 | -.0503 | -.0400 | -.0245 |
| .770 | -.0762 | -.0727 | -.0710 | -.0848 |
| .878 | -.1003 | -.1003 | -.0831 | -.1176 |



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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM09)

BETA ( 2 ) = -5.030 ALPHA ( 4 ) = 6.210 Q(PSF) = 42.935 PO/PSF = 2125.5 RUN NO = 151.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5718 | -.4751 | -.5459 | -.1247 |
| .230 | .0082  | -.0004 | .0462  | -.0297 |
| .410 | -.0038 | .0220  | .0306  | .0272  |
| .590 | -.0142 | -.0038 | .0099  | .0272  |
| .770 | -.0314 | -.0280 | -.0245 | -.0332 |
| .878 | -.0573 | -.0573 | -.0401 | -.0729 |

BETA ( 2 ) = -5.040 ALPHA ( 5 ) = 8.290 Q(PSF) = 42.935 PO/PSF = 2125.5 RUN NO = 151.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4712 | -.4160 | -.4453 | -.1659 |
| .230 | .0478  | .0444  | .0720  | .0271  |
| .410 | .0409  | .0702  | .0823  | .0892  |
| .590 | .0323  | .0427  | .0599  | .0840  |
| .770 | .0116  | .0185  | .0237  | .0202  |
| .878 | -.0107 | -.0107 | .0082  | -.0297 |

BETA ( 2 ) = -5.040 ALPHA ( 6 ) = 10.420 Q(PSF) = 42.935 PO/PSF = 2125.5 RUN NO = 151.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3426 | -.3563 | -.3529 | -.2050 |
| .230 | .0924  | .1079  | .0941  | .0890  |
| .410 | .0872  | .1199  | .1302  | .1457  |
| .590 | .0752  | .0890  | .1079  | .1337  |
| .770 | .0546  | .0614  | .0700  | .0735  |
| .878 | .0305  | .0288  | .0511  | .0185  |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM09)

BETA ( 3 ) = .000 ALPHA ( 1 ) = .000 Q(PSF) = 42.942 PO/PSF = 2125.4 RUN NO = 152.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7508 | -.6770 | -.7628 | -.2683 |
| .230 | -.1085 | -.1515 | -.1188 | -.1996 |
| .410 | -.1120 | -.1051 | -.1257 | -.1996 |
| .590 | -.1223 | -.1292 | -.1360 | -.1566 |
| .770 | -.1326 | -.1429 | -.1515 | -.1549 |
| .878 | -.1549 | -.1669 | -.1498 | -.1515 |

BETA ( 3 ) = .000 ALPHA ( 2 ) = 2.070 Q(PSF) = 42.942 PO/PSF = 2125.4 RUN NO = 152.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6441 | -.6234 | -.6854 | -.2362 |
| .230 | -.0726 | -.1088 | -.0830 | -.1415 |
| .410 | -.0761 | -.0623 | -.0744 | -.1294 |
| .590 | -.0813 | -.0864 | -.0847 | -.0916 |
| .770 | -.0967 | -.1019 | -.1036 | -.1088 |
| .878 | -.1208 | -.1277 | -.1105 | -.1157 |

BETA ( 3 ) = .000 ALPHA ( 3 ) = 4.130 Q(PSF) = 42.942 PO/PSF = 2125.4 RUN NO = 152.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5403 | -.5766 | -.6059 | -.2857 |
| .230 | -.0462 | -.0504 | -.0642 | -.0970 |
| .410 | -.0504 | -.0159 | -.0245 | -.0521 |
| .590 | -.0538 | -.0435 | -.0383 | -.0280 |
| .770 | -.0659 | -.0642 | -.0590 | -.0625 |
| .878 | -.0901 | -.0918 | -.0694 | -.0849 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM09)

BETA ( 3 ) = .000 ALPHA ( 4 ) = 6.220 Q(PSF) = 42.942 PO/PSF = 2125.4 RUN NO = 152.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4336 | -.5303 | -.5182 | -.3197 |
| .230 | -.0176 | .0116  | -.0383 | -.0401 |
| .410 | -.0280 | .0254  | .0272  | .0082  |
| .590 | -.0263 | -.0021 | .0116  | .0254  |
| .770 | -.0401 | -.0228 | -.0176 | -.0124 |
| .878 | -.0625 | -.0521 | -.0297 | -.0470 |

BETA ( 3 ) = .000 ALPHA ( 5 ) = 8.270 Q(PSF) = 42.942 PO/PSF = 2125.4 RUN NO = 152.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3188 | -.4754 | -.4307 | -.3670 |
| .230 | -.0133 | .0615  | -.0055 | .0168  |
| .410 | -.0210 | .0632  | .0718  | .0632  |
| .590 | -.0107 | .0374  | .0563  | .0736  |
| .770 | -.0193 | .0168  | .0254  | .0357  |
| .878 | -.0399 | -.0176 | .0099  | -.0090 |

BETA ( 3 ) = .000 ALPHA ( 6 ) = 10.340 Q(PSF) = 42.942 PO/PSF = 2125.4 RUN NO = 152.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1779 | -.4312 | -.3623 | -.3726 |
| .230 | .0357  | .1081  | .0168  | .0581  |
| .410 | -.0090 | .0943  | .1116  | .1133  |
| .590 | .0116  | .0736  | .0995  | .1185  |
| .770 | .0099  | .0512  | .0650  | .0805  |
| .878 | -.0141 | .0168  | .0478  | .0306  |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM09)

BETA ( 4 ) = 5.020 ALPHA ( 1 ) = .030 Q(PSF) = 42.938 PO/PSF = 2125.4 RUN NO = 153.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5300 | -.7295 | -.7605 | -.2927 |
| .230 | -.1465 | -.1207 | -.1465 | -.1620 |
| .410 | -.2136 | -.1018 | -.1190 | -.1603 |
| .590 | -.1844 | -.1225 | -.1225 | -.1276 |
| .770 | -.1775 | -.1328 | -.1328 | -.1293 |
| .878 | -.1964 | -.1551 | -.1328 | -.1397 |

BETA ( 4 ) = 5.020 ALPHA ( 2 ) = 2.070 Q(PSF) = 42.938 PO/PSF = 2125.4 RUN NO = 153.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4186 | -.6905 | -.6922 | -.3514 |
| .230 | -.1621 | -.0744 | -.1174 | -.1226 |
| .410 | -.1983 | -.0692 | -.0744 | -.1019 |
| .590 | -.1742 | -.0916 | -.0830 | -.0778 |
| .770 | -.1656 | -.1036 | -.1002 | -.0864 |
| .878 | -.1845 | -.1312 | -.1053 | -.1139 |

BETA ( 4 ) = 5.020 ALPHA ( 3 ) = 4.100 Q(PSF) = 42.938 PO/PSF = 2125.4 RUN NO = 153.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0693 | -.0606 | -.0417 | -.2846 |
| .230 | -.0968 | -.0675 | -.0830 | -.2260 |
| .410 | -.3173 | -.6411 | -.6136 | -.3914 |
| .590 | -.1778 | -.0245 | -.0951 | -.0710 |
| .770 | -.1847 | -.0365 | -.0314 | -.0486 |
| .878 | -.1606 | -.0572 | -.0383 | -.0279 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM09)

BETA ( 4 ) = 5.020 ALPHA ( 4 ) = 6.210 Q(PSF) = 42.938 PO/PSF = 2125.4 RUN NO = 153.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5920 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2179 | -.6184 | -.5563 | -.4389 |
| .230 | -.2144 | .0047  | -.0660 | -.0314 |
| .410 | -.1868 | -.0073 | .0082  | .0013  |
| .590 | -.1540 | -.0245 | .0030  | .0168  |
| .770 | -.1350 | -.0383 | -.0211 | .0013  |
| .878 | -.1575 | -.0642 | -.0349 | -.0522 |

BETA ( 4 ) = 5.020 ALPHA ( 5 ) = 8.270 Q(PSF) = 42.938 PO/PSF = 2125.4 RUN NO = 153.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5920 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1814 | -.5745 | -.5072 | -.4262 |
| .230 | -.2607 | .0306  | -.0435 | -.0038 |
| .410 | -.1900 | .0185  | .0444  | .0426  |
| .590 | -.1521 | .0047  | .0392  | .0582  |
| .770 | -.1297 | -.0090 | .0082  | .0409  |
| .878 | -.1469 | -.0383 | -.0038 | -.0228 |

BETA ( 4 ) = 5.020 ALPHA ( 6 ) = 10.350 Q(PSF) = 42.938 PO/PSF = 2125.4 RUN NO = 153.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5920 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1587 | -.5306 | -.4359 | -.3911 |
| .230 | -.2930 | .0477  | -.0296 | .0150  |
| .410 | -.1880 | .0426  | .0839  | .0770  |
| .590 | -.1415 | .0340  | .0718  | .0959  |
| .770 | -.1174 | .0254  | .0409  | .0805  |
| .878 | -.1364 | -.0038 | .0254  | .0150  |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM09)

BETA ( 5 ) = 10.080 ALPHA ( 1 ) = .000 Q(PSF) = 42.898 PO/PSF = 2125.5 RUN NO = 154.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3248 | -.7839 | -.7011 | -.5544 |
| .230 | -.4422 | -.1194 | -.1643 | -.1471 |
| .410 | -.3386 | -.1246 | -.1143 | -.1298 |
| .590 | -.2903 | -.1350 | -.1160 | -.1056 |
| .770 | -.2731 | -.1384 | -.1281 | -.1091 |
| .878 | -.2817 | -.1574 | -.1298 | -.1402 |

BETA ( 5 ) = 10.080 ALPHA ( 2 ) = 2.070 Q(PSF) = 42.898 PO/PSF = 2125.5 RUN NO = 154.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3416 | -.7241 | -.8621 | -.4501 |
| .230 | -.5380 | -.0917 | -.1296 | -.1089 |
| .410 | -.3967 | -.0951 | -.0814 | -.0882 |
| .590 | -.3174 | -.1038 | -.0779 | -.0658 |
| .770 | -.2881 | -.1089 | -.0951 | -.0710 |
| .878 | -.2968 | -.1296 | -.1020 | -.1210 |

BETA ( 5 ) = 10.080 ALPHA ( 3 ) = 4.130 Q(PSF) = 42.898 PO/PSF = 2125.5 RUN NO = 154.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3541 | -.6941 | -.6268 | -.4715 |
| .230 | -.5612 | -.0677 | -.1350 | -.0866 |
| .410 | -.4283 | -.0746 | -.0383 | -.0504 |
| .590 | -.3300 | -.0797 | -.0435 | -.0245 |
| .770 | -.3006 | -.0815 | -.0659 | -.0314 |
| .878 | -.3024 | -.0987 | -.0763 | -.0935 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM05)

BETA ( 5 ) = 10.080 ALPHA ( 4 ) = 6.200 Q (PSF) = 42.898 PO/PSF = 2125.5 RUN NO = 154.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3822 | -.6534 | -.5411 | -.5014 |
| .230 | -.5860 | -.0643 | -.1731 | -.0885 |
| .410 | -.4461 | -.0556 | -.0004 | -.0176 |
| .590 | -.3441 | -.0539 | -.0159 | .0134  |
| .770 | -.3044 | -.0522 | -.0401 | .0099  |
| .878 | -.3027 | -.0712 | -.0435 | -.0574 |

BETA ( 5 ) = 10.080 ALPHA ( 5 ) = 8.280 Q (PSF) = 42.898 PO/PSF = 2125.5 RUN NO = 154.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3739 | -.6166 | -.4754 | -.5047 |
| .230 | -.6011 | -.0658 | -.1776 | -.1002 |
| .410 | -.4444 | -.0382 | .0219  | .0030  |
| .590 | -.3463 | -.0296 | .0099  | .0426  |
| .770 | -.3033 | -.0245 | -.0107 | .0443  |
| .878 | -.2981 | -.0417 | -.0158 | -.0193 |

BETA ( 5 ) = 10.080 ALPHA ( 6 ) = 10.440 Q (PSF) = 42.898 PO/PSF = 2125.5 RUN NO = 154.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4151 | -.5511 | -.3979 | -.4599 |
| .230 | -.6182 | -.0606 | -.1776 | -.1088 |
| .410 | -.4409 | -.0210 | .0391  | -.0219 |
| .590 | -.3514 | -.0004 | .0340  | .0753  |
| .770 | -.3050 | .0099  | .0219  | .0890  |
| .878 | -.2895 | -.0107 | .0168  | .0150  |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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MAIN GEAR DOOR OUTER SURFACE

(RFFM10) ( 05 APR 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0405

## PARAMETRIC DATA

MACH = .170 ELEVON = .000  
 BDFLAP = .000 SPDBRK = 25.000  
 PHI-N = 30.800 THETA = 5.000  
 PHI-M = 32.200 THETAM = 5.000

BETA ( 1 ) = -10.060 ALPHA ( 1 ) = .010 Q(PSF) = 42.792 PO/PSF = 2131.0 RUN NO = 50.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.1819 -.1560 -.1439 -.1439  
 .230 -.2044 -.1715 -.1456 -.1179  
 .410 -.2199 -.2026 -.1750 -.2528  
 .590 -.3219 -.7404 -.7317 -.2096  
 .770 -.2718 -.2320 -.1318 -.7853  
 .878 -.2874 -.2182 -.1456 -.1525

BETA ( 1 ) = -10.060 ALPHA ( 2 ) = 2.080 Q(PSF) = 42.792 PO/PSF = 2131.0 RUN NO = 50.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.6747 -.6522 -.7196 -.0972  
 .230 -.1681 -.0712 -.0868 -.1542  
 .410 -.1663 -.0903 -.0851 -.0747  
 .590 -.1370 -.1041 -.0903 -.0609  
 .770 -.1560 -.1231 -.1248 -.1957  
 .878 -.1750 -.1594 -.1421 -.1715

BETA ( 1 ) = -10.070 ALPHA ( 3 ) = 4.130 Q(PSF) = 42.792 PO/PSF = 2131.0 RUN NO = 50.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.6048 -.5702 -.6308 -.0263  
 .230 -.1025 -.0142 -.0159 -.0818  
 .410 -.1112 -.0367 -.0246 -.0159  
 .590 -.0922 -.0523 -.0367 -.0056  
 .770 -.1077 -.0766 -.0748 -.1372  
 .878 -.1320 -.1112 -.0939 -.1233



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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM10)

BETA ( 1 ) = -10.070 ALPHA ( 4 ) = 8.210 Q(PSF) = 42.792 PO/PSF = 2131.0 RUN NO = 50.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5344 | -.4912 | -.5275 | .0393  |
| .230 | -.0418 | .0445  | .0531  | -.0107 |
| .410 | -.0557 | .0151  | .0324  | .0445  |
| .590 | -.0401 | .0013  | .0168  | .0479  |
| .770 | -.0591 | -.0297 | -.0246 | -.0799 |
| .878 | -.0816 | -.0660 | -.0453 | -.0747 |

BETA ( 1 ) = -10.070 ALPHA ( 5 ) = 8.290 Q(PSF) = 42.792 PO/PSF = 2131.0 RUN NO = 50.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4629 | -.4077 | -.4249 | .0548  |
| .230 | .0220  | .0995  | .1186  | .0513  |
| .410 | .0047  | .0686  | .0893  | .1014  |
| .590 | .0133  | .0479  | .0703  | .0996  |
| .770 | -.0124 | .0185  | .0272  | -.0211 |
| .878 | -.0331 | -.0176 | .0030  | -.0193 |

BETA ( 1 ) = -10.070 ALPHA ( 6 ) = 10.350 Q(PSF) = 42.792 PO/PSF = 2131.0 RUN NO = 50.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3855 | -.3182 | -.3216 | -.0142 |
| .230 | .0824  | .1498  | .1740  | .1170  |
| .410 | .0617  | .1239  | .1481  | .1688  |
| .590 | .0617  | .0997  | .1239  | .1550  |
| .770 | .0375  | .0669  | .0790  | .0393  |
| .878 | .0151  | .0289  | .0531  | .0341  |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM10)

BETA ( 2 ) = -5.040 ALPHA ( 1 ) = .000 Q(PSF) = 42.810 PO/PSF = 2130.9 RUN NO = 49.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7269 | -.6664 | -.8290 | -.1941 |
| .230 | -.1197 | -.1007 | -.1111 | -.1872 |
| .410 | -.1405 | -.1214 | -.1405 | -.2183 |
| .590 | -.1422 | -.1387 | -.1457 | -.1595 |
| .770 | -.1612 | -.1543 | -.1630 | -.2045 |
| .878 | -.1785 | -.1820 | -.1682 | -.1699 |

BETA ( 2 ) = -5.040 ALPHA ( 2 ) = 2.070 Q(PSF) = 42.810 PO/PSF = 2130.9 RUN NO = 49.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7050 | -.5841 | -.6946 | -.1472 |
| .230 | -.0643 | -.0660 | -.0401 | -.1299 |
| .410 | -.0919 | -.0729 | -.0815 | -.1403 |
| .590 | -.0971 | -.0936 | -.0919 | -.0988 |
| .770 | -.1143 | -.1092 | -.1126 | -.1592 |
| .878 | -.1368 | -.1403 | -.1230 | -.1264 |

BETA ( 2 ) = -5.050 ALPHA ( 3 ) = 4.110 Q(PSF) = 42.810 PO/PSF = 2130.9 RUN NO = 49.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6563 | -.5165 | -.5838 | -.2092 |
| .230 | -.0245 | -.0245 | .0151  | -.0746 |
| .410 | -.0452 | -.0211 | -.0228 | -.0694 |
| .590 | -.0521 | -.0435 | -.0401 | -.0366 |
| .770 | -.0711 | -.0677 | -.0660 | -.1108 |
| .878 | -.0953 | -.0987 | -.0798 | -.0849 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

PAGE 795

0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM10)

BETA ( 2 ) = -5.050 ALPHA ( 4 ) = 6.180 Q(PSF) = 42.810 PO/PSF = 2130.9 RUN NO = 49.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5680 | -.4593 | -.4869 | -.3247 |
| .230 | .0099  | .0168  | .0358  | -.0262 |
| .410 | -.0004 | .0254  | .0358  | .0099  |
| .590 | -.0055 | .0030  | .0133  | .0271  |
| .770 | -.0262 | -.0245 | -.0211 | -.0625 |
| .878 | -.0538 | -.0573 | -.0383 | -.0487 |

BETA ( 2 ) = -5.050 ALPHA ( 5 ) = 8.250 Q(PSF) = 42.810 PO/PSF = 2130.9 RUN NO = 49.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4297 | -.4038 | -.3951 | -.3882 |
| .230 | .0498  | .0671  | .0428  | .0272  |
| .410 | .0480  | .0809  | .0861  | .0861  |
| .590 | .0411  | .0515  | .0653  | .0861  |
| .770 | .0203  | .0220  | .0290  | -.0004 |
| .878 | -.0090 | -.0125 | .0099  | -.0021 |

BETA ( 2 ) = -5.050 ALPHA ( 6 ) = 10.350 Q(PSF) = 42.810 PO/PSF = 2130.9 RUN NO = 49.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2905 | -.3492 | -.3043 | -.4166 |
| .230 | .0859  | .1152  | .0652  | .0859  |
| .410 | .0928  | .1256  | .1377  | .1498  |
| .590 | .0842  | .0997  | .1170  | .1394  |
| .770 | .0617  | .0669  | .0790  | .0583  |
| .878 | .0341  | .0306  | .0548  | .0410  |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM10)

BETA ( 3 ) = -.020 ALPHA ( 1 ) = .000 Q(PSF) = 42.810 PO/PSF = 2130.9 RUN NO = 48.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.8128 | -.6645 | -.7110 | -.4868 |
| .230 | -.1056 | -.1660 | -.1297 | -.2091 |
| .410 | -.1056 | -.1004 | -.1159 | -.2108 |
| .590 | -.1142 | -.1246 | -.1366 | -.1711 |
| .770 | -.1280 | -.1401 | -.1504 | -.1884 |
| .878 | -.1504 | -.1660 | -.1539 | -.1418 |

BETA ( 3 ) = -.020 ALPHA ( 2 ) = 2.090 Q(PSF) = 42.810 PO/PSF = 2130.9 RUN NO = 48.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7102 | -.6186 | -.6307 | -.5012 |
| .230 | -.0781 | -.1247 | -.1351 | -.1610 |
| .410 | -.0729 | -.0522 | -.0643 | -.1420 |
| .590 | -.0781 | -.0781 | -.0833 | -.1005 |
| .770 | -.0953 | -.0988 | -.1023 | -.1368 |
| .878 | -.1213 | -.1292 | -.1109 | -.1074 |

BETA ( 3 ) = -.020 ALPHA ( 3 ) = 4.100 Q(PSF) = 42.810 PO/PSF = 2130.9 RUN NO = 48.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6085 | -.5757 | -.5532 | -.5601 |
| .230 | -.0556 | -.0781 | -.1317 | -.1161 |
| .410 | -.0574 | -.0125 | -.0176 | -.0746 |
| .590 | -.0574 | -.0384 | -.0366 | -.0366 |
| .770 | -.0729 | -.0608 | -.0574 | -.0816 |
| .878 | -.0971 | -.0919 | -.0693 | -.0695 |

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## TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM10)

BETA ( 3 ) = -.020 ALPHA ( 4 ) = 6.200 Q(PSF) = 42.810 PO/PSF = 2130.9 RUN NO = 48.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4924 | -.5200 | -.4648 | -.5856 |
| .230 | -.0280 | -.0332 | -.1126 | -.0608 |
| .410 | -.0539 | .0306  | .0306  | -.0090 |
| .590 | -.0418 | .0047  | .0151  | .0237  |
| .770 | -.0521 | -.0211 | -.0124 | -.0228 |
| .878 | -.0746 | -.0539 | -.0297 | -.0332 |

BETA ( 3 ) = -.020 ALPHA ( 5 ) = 8.240 Q(PSF) = 42.810 PO/PSF = 2130.9 RUN NO = 48.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4160 | -.4628 | -.3779 | -.5459 |
| .230 | -.0108 | -.0177 | -.1060 | -.0385 |
| .410 | -.0610 | .0619  | .0654  | .0550  |
| .590 | -.0333 | .0394  | .0584  | .0775  |
| .770 | -.0333 | .0117  | .0290  | .0290  |
| .878 | -.0575 | -.0246 | .0065  | -.0073 |

BETA ( 3 ) = -.020 ALPHA ( 6 ) = 10.360 Q(PSF) = 42.810 PO/PSF = 2130.9 RUN NO = 48.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3477 | -.3944 | -.2907 | -.4376 |
| .230 | -.0125 | -.0090 | -.1058 | -.0470 |
| .410 | -.0436 | .0894  | .0980  | .0894  |
| .590 | -.0176 | .0739  | .1050  | .1205  |
| .770 | -.0211 | .0497  | .0721  | .0825  |
| .878 | -.0401 | .0099  | .0427  | .0237  |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFH10)

BETA ( 4 ) = 5.000 ALPHA ( 1 ) = -.010 Q(PSF) = 42.797 PO/PSF = 2130.8 RUN NO = 47.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7568 | -.7119 | -.7257 | -.5081 |
| .230 | -.1938 | -.1679 | -.2059 | -.2076 |
| .410 | -.2525 | -.0971 | -.1126 | -.2041 |
| .590 | -.2145 | -.1230 | -.1247 | -.1506 |
| .770 | -.2007 | -.1385 | -.1368 | -.1420 |
| .878 | -.2162 | -.1644 | -.1385 | -.1454 |

BETA ( 4 ) = 5.000 ALPHA ( 2 ) = 2.030 Q(PSF) = 42.797 PO/PSF = 2130.8 RUN NO = 47.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6802 | -.6698 | -.6267 | -.6836 |
| .230 | -.2350 | -.1539 | -.2316 | -.1677 |
| .410 | -.2385 | -.0642 | -.0659 | -.1505 |
| .590 | -.2040 | -.0884 | -.0780 | -.0884 |
| .770 | -.1919 | -.1073 | -.0970 | -.0901 |
| .878 | -.2057 | -.1332 | -.1091 | -.1229 |

BETA ( 4 ) = 5.000 ALPHA ( 3 ) = 4.110 Q(PSF) = 42.797 PO/PSF = 2130.8 RUN NO = 47.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6384 | -.6108 | -.5433 | -.7111 |
| .230 | -.2978 | -.1594 | -.2355 | -.1508 |
| .410 | -.2528 | -.0367 | -.0315 | -.0816 |
| .590 | -.2061 | -.0557 | -.0332 | -.0280 |
| .770 | -.1854 | -.0747 | -.0557 | -.0401 |
| .878 | -.1992 | -.1041 | -.0747 | -.0972 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM10)

BETA ( 4 ) = 5.000 ALPHA ( 4 ) = 6.190 Q(PSF) = 42.797 PO/PSF = 2130.8 RUN NO = 47.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6139 | -.5413 | -.4290 | -.5984 |
| .230 | -.3702 | -.1749 | -.2562 | -.1939 |
| .410 | -.2821 | -.0194 | -.0211 | -.0488 |
| .590 | -.2233 | -.0263 | .0099  | .0134  |
| .770 | -.1870 | -.0436 | -.0194 | .0082  |
| .878 | -.1957 | -.0747 | -.0418 | -.0712 |

BETA ( 4 ) = 5.000 ALPHA ( 5 ) = 8.250 Q(PSF) = 42.797 PO/PSF = 2130.8 RUN NO = 47.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5291 | -.5083 | -.3995 | -.5101 |
| .230 | -.4409 | -.1169 | -.1991 | -.1714 |
| .410 | -.2941 | -.0021 | .0082  | -.0159 |
| .590 | -.2336 | -.0021 | .0410  | .0531  |
| .770 | -.1835 | -.0159 | .0116  | .0446  |
| .878 | -.1921 | -.0453 | -.0159 | -.0366 |

BETA ( 4 ) = 5.000 ALPHA ( 6 ) = 10.310 Q(PSF) = 42.797 PO/PSF = 2130.8 RUN NO = 47.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5008 | -.4679 | -.3761 | -.4714 |
| .230 | -.4956 | -.0714 | -.1614 | -.1094 |
| .410 | -.3051 | .0221  | .0446  | .0307  |
| .590 | -.2359 | .0272  | .0723  | .0896  |
| .770 | -.1874 | .0134  | .0428  | .0809  |
| .878 | -.1908 | -.0159 | .0151  | -.0038 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM10)

BETA ( 5 ) = 10.050 ALPHA ( 1 ) = .000 Q(PSF) = 42.758 PO/PSF = 2130.9 RUN NO = 46.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4399 | -.7963 | -.6908 | -.8361 |
| .230 | -.5714 | -.1665 | -.2426 | -.2218 |
| .410 | -.4122 | -.1371 | -.1249 | -.1786 |
| .590 | -.3447 | -.1474 | -.1232 | -.1146 |
| .770 | -.3136 | -.1578 | -.1336 | -.1094 |
| .878 | -.3136 | -.1803 | -.1422 | -.1613 |

BETA ( 5 ) = 10.050 ALPHA ( 2 ) = 2.040 Q(PSF) = 42.758 PO/PSF = 2130.9 RUN NO = 46.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5866 | -.7458 | -.6489 | -.7492 |
| .230 | -.6714 | -.1629 | -.2096 | -.1941 |
| .410 | -.4656 | -.1145 | -.1041 | -.1439 |
| .590 | -.3774 | -.1197 | -.0920 | -.0851 |
| .770 | -.3393 | -.1283 | -.1024 | -.0834 |
| .878 | -.3307 | -.1577 | -.1214 | -.1491 |

BETA ( 5 ) = 10.050 ALPHA ( 3 ) = 4.120 Q(PSF) = 42.758 PO/PSF = 2130.9 RUN NO = 46.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7337 | -.7008 | -.6178 | -.6489 |
| .230 | -.7700 | -.1733 | -.2200 | -.1647 |
| .410 | -.5417 | -.0938 | -.0730 | -.0903 |
| .590 | -.4137 | -.0855 | -.0592 | -.0419 |
| .770 | -.3757 | -.1059 | -.0799 | -.0522 |
| .878 | -.3653 | -.1439 | -.0989 | -.1318 |



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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM10)

BETA ( 5 ) = 10.050 ALPHA ( 4 ) = 6.250 Q(PSF) = 42.758 PO/PSF = 2130.9 RUN NO = 46.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5459 | -.5337 | -.4818 | -.6013 |
| .230 | -.9667 | -.3606 | -.3502 | -.3017 |
| .410 | -.6342 | -.0904 | -.0835 | -.0939 |
| .590 | -.4800 | .7696  | -.0125 | -.0021 |
| .770 | -.4056 | .766   | -.0385 | .0065  |
| .878 | -.3744 | -.1233 | -.0644 | -.0766 |

BETA ( 5 ) = 10.050 ALPHA ( 5 ) = 8.240 Q(PSF) = 42.758 PO/PSF = 2130.9 RUN NO = 46.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |         |        |        |        |
|------|---------|--------|--------|--------|
| .050 | -.3893  | -.4222 | -.3461 | -.4671 |
| .230 | -1.0238 | -.4118 | -.3962 | -.4101 |
| .410 | -.7074  | -.1162 | -.1508 | -.1525 |
| .590 | -.5345  | -.0609 | .0047  | .0082  |
| .770 | -.4325  | -.0522 | -.0055 | .0566  |
| .878 | -.3893  | -.1024 | -.0349 | -.0194 |

BETA ( 5 ) = 10.050 ALPHA ( 6 ) = 10.330 Q(PSF) = 42.758 PO/PSF = 2130.9 RUN NO = 46.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2839 | -.3254 | -.2839 | -.3859 |
| .230 | -.8193 | -.3755 | -.3686 | -.4136 |
| .410 | -.7110 | -.1594 | -.2148 | -.2078 |
| .590 | -.5709 | -.0540 | .0082  | .0220  |
| .770 | -.4499 | -.0280 | .0203  | .0912  |
| .878 | -.3963 | -.0937 | -.0038 | .0237  |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFH11) ( 03 FEB 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
LREF = 474.8100 INCHES YMRP = .0000 IN. YO  
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
SCALE = .0405

PARAMETRIC DATA

MACH = .170 ELEVON = .000  
BDFLAP = .000 SPOBRK = 25.000  
PHI-N = 30.800 THETAN = 5.000  
PHI-M = 40.000 THETAM = 6.200

BETA ( 1 ) = -10.080 ALPHA ( 1 ) = .020 Q(PSF) = 42.928 PO/PSF = 2127.9 RUN NO = 51.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.6741 -.6258 -.5690 -.1072  
.230 -.2433 -.1296 -.1365 -.2054  
.410 -.2209 -.1365 -.1313 -.1279  
.590 -.1796 -.1451 -.1365 -.1106  
.770 -.2002 -.1675 -.1709 -.2571  
.878 -.2209 -.2037 -.1899 -.2192

BETA ( 1 ) = -10.080 ALPHA ( 2 ) = 2.080 Q(PSF) = 42.928 PO/PSF = 2127.9 RUN NO = 51.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.6135 -.5808 -.5670 -.0486  
.230 -.1778 -.0710 -.0744 -.1381  
.410 -.1657 -.0830 -.0710 -.0658  
.590 -.1313 -.0968 -.0813 -.0537  
.770 -.1502 -.1175 -.1226 -.1984  
.878 -.1726 -.1536 -.1399 -.1726

BETA ( 1 ) = -10.080 ALPHA ( 3 ) = 4.110 Q(PSF) = 42.928 PO/PSF = 2127.9 RUN NO = 51.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.5452 -.5245 -.5210 .0116  
.230 -.1090 -.0124 -.0090 -.0710  
.410 -.1107 -.0297 -.0159 -.0073  
.590 -.0848 -.0435 -.0297 -.0004  
.770 -.1021 -.0710 -.0676 -.1417  
.878 -.1262 -.1090 -.0917 -.1193

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM11)

BETA ( 1 ) = -10.080 ALPHA ( 4 ) = 6.200 Q(PSF) = 42.928 PO/PSF = 2127.9 RUN NO = 51.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4713 | -.4575 | -.4540 | .0651  |
| .230 | -.0400 | .0461  | .0565  | -.0021 |
| .410 | -.0504 | .0237  | .0392  | .0461  |
| .590 | -.0366 | .0064  | .0254  | .0547  |
| .770 | -.0538 | -.0228 | -.0193 | -.0797 |
| .878 | -.0763 | -.0625 | -.0435 | -.0659 |

BETA ( 1 ) = -10.080 ALPHA ( 5 ) = 8.270 Q(PSF) = 42.928 PO/PSF = 2127.9 RUN NO = 51.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3601 | -.3790 | -.3670 | .0305  |
| .230 | .0219  | .1011  | .1200  | .0563  |
| .410 | .0047  | .0736  | .0959  | .1028  |
| .590 | .0133  | .0529  | .0753  | .1045  |
| .770 | -.0072 | .0254  | .0305  | -.0262 |
| .878 | -.0313 | -.0141 | .0081  | -.0107 |

BETA ( 1 ) = -10.080 ALPHA ( 6 ) = 10.330 Q(PSF) = 42.928 PO/PSF = 2127.9 RUN NO = 51.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2518 | -.3017 | -.2793 | -.0245 |
| .230 | .0805  | .1545  | .1735  | .1218  |
| .410 | .0533  | .1287  | .1511  | .1666  |
| .590 | .0667  | .1063  | .1270  | .1563  |
| .770 | .0443  | .0719  | .0805  | .0357  |
| .878 | .0202  | .0340  | .0564  | .0443  |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM11)

BETA ( 2 ) = -5.050 ALPHA ( 1 ) = .000 Q(PSF) = 42.938 PO/PSF = 2127.8 RUN NO = 52.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7618 | -.6707 | -.7979 | -.1671 |
| .230 | -.1275 | -.0897 | -.1138 | -.1825 |
| .410 | -.1516 | -.1241 | -.1413 | -.2221 |
| .590 | -.1430 | -.1396 | -.1482 | -.1602 |
| .770 | -.1602 | -.1550 | -.1619 | -.2135 |
| .878 | -.1825 | -.1860 | -.1688 | -.1722 |

BETA ( 2 ) = -5.060 ALPHA ( 2 ) = 2.060 Q(PSF) = 42.938 PO/PSF = 2127.8 RUN NO = 52.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7211 | -.5801 | -.6678 | -.1190 |
| .230 | -.0692 | -.0485 | -.0399 | -.1242 |
| .410 | -.0950 | -.0726 | -.0829 | -.1517 |
| .590 | -.0984 | -.0898 | -.0932 | -.0967 |
| .770 | -.1156 | -.1104 | -.1139 | -.1639 |
| .878 | -.1380 | -.1414 | -.1242 | -.1208 |

BETA ( 2 ) = -5.060 ALPHA ( 3 ) = 4.130 Q(PSF) = 42.938 PO/PSF = 2127.8 RUN NO = 52.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6381 | -.5036 | -.5588 | -.2175 |
| .230 | -.0279 | -.0141 | .0151  | -.0693 |
| .410 | -.0469 | -.0228 | -.0210 | -.0762 |
| .590 | -.0503 | -.0434 | -.0383 | -.0366 |
| .770 | -.0693 | -.0641 | -.0676 | -.1141 |
| .878 | -.0934 | -.0969 | -.0796 | -.0796 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

PAGE 006

0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM11)

BETA ( 2 ) = -5.060 ALPHA ( 4 ) = 6.190 Q(PSF) = 42.938 PO/PSF = 2127.8 RUN NO = 52.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5098 | -.4459 | -.4597 | -.33.7 |
| .230 | .0099  | .0289  | .0444  | -.015. |
| .410 | .0030  | .0306  | .0358  | -.0004 |
| .590 | -.0038 | .0064  | .0151  | .0254  |
| .770 | -.0228 | -.0211 | -.0176 | -.0608 |
| .878 | -.0504 | -.0522 | -.0349 | -.0332 |

BETA ( 2 ) = -5.060 ALPHA ( 5 ) = 8.260 Q(PSF) = 42.938 PO/PSF = 2127.8 RUN NO = 52.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3649 | -.3977 | -.3804 | -.4340 |
| .230 | .0479  | .0756  | .0479  | .0203  |
| .410 | .0514  | .0807  | .0859  | .0790  |
| .590 | .0427  | .0531  | .0669  | .0859  |
| .770 | .0237  | .0237  | .0324  | -.0055 |
| .878 | -.0073 | -.0125 | .0082  | .0030  |

BETA ( 2 ) = -5.060 ALPHA ( 6 ) = 10.340 Q(PSF) = 42.938 PO/PSF = 2127.8 RUN NO = 52.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2358 | -.3457 | -.2925 | -.4402 |
| .230 | .0872  | .1198  | .0614  | .0683  |
| .410 | .0941  | .1267  | .1370  | .1404  |
| .590 | .0872  | .1009  | .1181  | .1404  |
| .770 | .0648  | .0683  | .0803  | .0511  |
| .878 | .0356  | .0288  | .0511  | .0477  |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFH11)

BETA ( 3 ) = -.010 ALPHA ( 1 ) = .000 Q(PSF) = 42.878 PO/PSF = 2127.8 RUN NO = 53.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.8077 | -.6504 | -.6971 | -.5242 |
| .230 | -.1041 | -.1577 | -.1248 | -.2217 |
| .410 | -.1041 | -.1006 | -.1162 | -.2251 |
| .590 | -.1110 | -.1248 | -.1387 | -.1784 |
| .770 | -.1266 | -.1404 | -.1525 | -.1940 |
| .878 | -.1490 | -.1663 | -.1525 | -.1352 |

BETA ( 3 ) = -.010 ALPHA ( 2 ) = 2.060 Q(PSF) = 42.878 PO/PSF = 2127.8 RUN NO = 53.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7144 | -.6092 | -.6127 | -.5713 |
| .230 | -.0780 | -.1263 | -.1366 | -.1677 |
| .410 | -.0711 | -.0538 | -.0659 | -.1573 |
| .590 | -.0762 | -.0797 | -.0866 | -.1090 |
| .770 | -.0935 | -.0969 | -.1021 | -.1401 |
| .878 | -.1176 | -.1263 | -.1107 | -.1004 |

BETA ( 3 ) = -.020 ALPHA ( 3 ) = 4.140 Q(PSF) = 42.878 PO/PSF = 2127.8 RUN NO = 53.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6297 | -.5641 | -.5366 | -.6607 |
| .230 | -.0573 | -.0848 | -.1417 | -.1176 |
| .410 | -.0607 | -.0090 | -.0193 | -.0900 |
| .590 | -.0573 | -.0366 | -.0366 | -.0469 |
| .770 | -.0762 | -.0607 | -.0573 | -.0900 |
| .878 | -.1021 | -.0917 | -.0710 | -.0641 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM11)

BETA ( 3 ) = -.020 ALPHA ( 4 ) = 6.220 Q(PSF) = 42.878 PO/PSF = 2127.8 RUN NO = 53.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5410 | -.5082 | -.4633 | -.6412 |
| .230 | -.0366 | -.0591 | -.1299 | -.0781 |
| .410 | -.0764 | .0289  | .0269  | -.0263 |
| .590 | -.0556 | .0047  | .0151  | .0203  |
| .770 | -.0591 | -.0228 | -.0107 | -.0194 |
| .878 | -.0815 | -.0556 | -.0314 | -.0349 |

BETA ( 3 ) = -.010 ALPHA ( 5 ) = 8.260 Q(PSF) = 42.878 PO/PSF = 2127.8 RUN NO = 53.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4824 | -.4342 | -.3619 | -.5461 |
| .230 | -.0296 | -.0692 | -.1381 | -.0675 |
| .410 | -.0761 | .0615  | .0598  | .0219  |
| .590 | -.0451 | .0426  | .0632  | .0805  |
| .770 | -.0434 | .0150  | .0357  | .0460  |
| .878 | -.0606 | -.0193 | .0099  | -.0090 |

BETA ( 3 ) = -.010 ALPHA ( 6 ) = 10.340 Q(PSF) = 42.878 PO/PSF = 2127.8 RUN NO = 53.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4431 | -.3604 | -.2519 | -.3587 |
| .230 | -.0486 | -.0779 | -.1571 | -.1278 |
| .410 | -.0744 | .0771  | .0650  | .0409  |
| .590 | -.0469 | .0753  | .1098  | .1150  |
| .770 | -.0383 | .0529  | .0805  | .0995  |
| .878 | -.0486 | .0168  | .0461  | .0254  |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFH11)

BETA ( 4 ) = 5.020 ALPHA ( 1 ) = .000 Q(PSF) = 42.898 PO/PSF = 2127.7 RUN NO = 54.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.8286 | -.7147 | -.7044 | -.6373 |
| .230 | -.2121 | -.2138 | -.2586 | -.2276 |
| .410 | -.2689 | -.0950 | -.1054 | -.2310 |
| .590 | -.2327 | -.1243 | -.1243 | -.1691 |
| .770 | -.2104 | -.1398 | -.1346 | -.1536 |
| .878 | -.2241 | -.1656 | -.1415 | -.1450 |

BETA ( 4 ) = 5.020 ALPHA ( 2 ) = 2.090 Q(PSF) = 42.898 PO/PSF = 2127.7 RUN NO = 54.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7656 | -.6656 | -.6294 | -.7483 |
| .230 | -.2726 | -.2089 | -.2692 | -.1985 |
| .410 | -.2640 | -.0641 | -.0607 | -.1796 |
| .590 | -.2296 | -.0917 | -.0762 | -.1003 |
| .770 | -.2037 | -.1072 | -.0951 | -.0882 |
| .878 | -.2158 | -.1348 | -.1089 | -.1244 |

BETA ( 4 ) = 5.020 ALPHA ( 3 ) = 4.130 Q(PSF) = 42.898 PO/PSF = 2127.7 RUN NO = 54.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7177 | -.5950 | -.6310 | -.7385 |
| .230 | -.3616 | -.2458 | -.2925 | -.1940 |
| .410 | -.2925 | -.0418 | -.0401 | -.1248 |
| .590 | -.2268 | -.0574 | -.0297 | -.0315 |
| .770 | -.2043 | -.0764 | -.0522 | -.0349 |
| .878 | -.2147 | -.1058 | -.0747 | -.0989 |



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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM11)

BETA ( 4 ) = 5.020 ALPHA ( 4 ) = 6.200 Q(PSF) = 42.898 PO/PSF = 2127.7 RUN NO = 54.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5903 | -.5058 | -.3989 | -.5024 |
| .230 | -.4730 | -.2902 | -.3230 | -.2954 |
| .410 | -.3454 | -.0383 | -.0745 | -.0970 |
| .590 | -.2246 | -.0314 | .0047  | .0047  |
| .770 | -.2143 | -.0435 | -.0107 | .0151  |
| .878 | -.2160 | -.0763 | -.0383 | -.0659 |

BETA ( 4 ) = 5.020 ALPHA ( 5 ) = 8.250 Q(PSF) = 42.898 PO/PSF = 2127.7 RUN NO = 54.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5414 | -.4724 | -.3501 | -.4414 |
| .230 | -.5724 | -.2502 | -.2915 | -.2674 |
| .410 | -.3742 | -.0176 | -.0417 | -.0624 |
| .590 | -.2261 | -.0072 | .0374  | .0409  |
| .770 | -.2174 | -.0176 | .0185  | .0547  |
| .878 | -.2157 | -.0486 | -.0141 | -.0331 |

BETA ( 4 ) = 5.020 ALPHA ( 6 ) = 10.330 Q(PSF) = 42.898 PO/PSF = 2127.7 RUN NO = 54.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4244 | -.4175 | -.3158 | -.4244 |
| .230 | -.6760 | -.2468 | -.2589 | -.2313 |
| .410 | -.4071 | -.0004 | -.0141 | -.0262 |
| .590 | -.2313 | .0168  | .0702  | .0771  |
| .770 | -.2244 | .0116  | .0530  | .0909  |
| .878 | -.2158 | -.0176 | .0168  | .0013  |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFH11)

BETA ( 5 ) = 10.120 ALPHA ( 1 ) = .000 Q(PSF) = 42.890 PO/PSF = 2127.9 RUN NO = 55.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7580 | -.7890 | -.6943 | -.8992 |
| .230 | -.7202 | -.2380 | -.3069 | -.2724 |
| .410 | -.4860 | -.1467 | -.1381 | -.2225 |
| .590 | -.2707 | -.1571 | -.1261 | -.1312 |
| .770 | -.3465 | -.1657 | -.1364 | -.1123 |
| .878 | -.3361 | -.1898 | -.1502 | -.1674 |

BETA ( 5 ) = 10.120 ALPHA ( 2 ) = 2.050 Q(PSF) = 42.890 PO/PSF = 2127.9 RUN NO = 55.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.8099 | -.7495 | -.6736 | -.8514 |
| .230 | -.8065 | -.2420 | -.2765 | -.2507 |
| .410 | -.5355 | -.1281 | -.1195 | -.1851 |
| .590 | -.3042 | -.1350 | -.1022 | -.0953 |
| .770 | -.3680 | -.1471 | -.1143 | -.0884 |
| .878 | -.3542 | -.1833 | -.1333 | -.1592 |

BETA ( 5 ) = 10.120 ALPHA ( 3 ) = 4.110 Q(PSF) = 42.890 PO/PSF = 2127.9 RUN NO = 55.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6451 | -.6089 | -.6399 | -.7571 |
| .230 | -.9950 | -.3917 | -.3365 | -.2434 |
| .410 | -.6158 | -.1039 | -.0883 | -.1296 |
| .590 | -.4710 | -.1055 | -.0641 | -.0503 |
| .770 | -.3968 | -.1245 | -.0814 | -.0486 |
| .878 | -.3693 | -.1745 | -.1072 | -.1383 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM11)

BETA ( 5 ) = 10.120 ALPHA ( 4 ) = 6.180 Q(PSF) = 42.890 PO/PSF = 2127.9 RUN NO = 55.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4076 | -.4318 | -.4145 | -.5163 |
| .230 | -.9512 | -.4749 | -.4525 | -.4542 |
| .410 | -.7458 | -.1850 | -.2437 | -.2385 |
| .590 | -.5646 | -.0953 | -.0452 | -.0435 |
| .770 | -.4473 | -.1004 | -.0280 | .0099  |
| .878 | -.3990 | -.1608 | -.0608 | -.0815 |

BETA ( 5 ) = 10.130 ALPHA ( 5 ) = 8.260 Q(PSF) = 42.890 PO/PSF = 2127.9 RUN NO = 55.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3190 | -.3345 | -.3448 | -.4206 |
| .230 | -.7393 | -.4189 | -.4172 | -.4809 |
| .410 | -.7410 | -.2880 | -.3328 | -.3414 |
| .590 | -.6170 | -.1106 | -.0693 | -.0796 |
| .770 | -.4723 | -.0951 | .0030  | .0443  |
| .878 | -.4051 | -.1795 | -.0262 | -.0159 |

BETA ( 5 ) = 10.130 ALPHA ( 6 ) = 10.330 Q(PSF) = 42.890 PO/PSF = 2127.9 RUN NO = 55.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2801 | -.2853 | -.3112 | -.3803 |
| .230 | -.6186 | -.3561 | -.3768 | -.4459 |
| .410 | -.6807 | -.3043 | -.3475 | -.3526 |
| .590 | -.6117 | -.1368 | -.0815 | -.0832 |
| .770 | -.4770 | -.1437 | .0220  | .0738  |
| .878 | -.3941 | -.2559 | .0013  | .0393  |

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OF POOR QUALITY

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFH12) ( 03 FEB 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
LREF = 474.8100 INCHES YMRP = .0000 IN. YO  
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
SCALE = .0405

PARAMETRIC DATA

MACH = .170 ELEVON = .000  
BDFLAP = .000 SPDBRK = 25.000  
PHI-N = 50.000 THETAN = 9.800  
PHI-M = 48.300 THETAM = 6.200

BETA ( 1 ) = -10.090 ALPHA ( 1 ) = .010 Q(PSF) = 42.870 PO/PSF = 2127.9 RUN NO = 56.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.1835 -.1265 -.1230 -.1265  
.230 -.1973 -.1385 -.1282 -.1040  
.410 -.2215 -.1645 -.1662 -.2025  
.590 -.7397 -.2025 -.1869 -.2197  
.770 -.2957 -.5117 -.4305 -.2854  
.878 -.3147 -.2163 -.1230 -.1282

BETA ( 1 ) = -10.090 ALPHA ( 2 ) = 2.070 Q(PSF) = 42.870 PO/PSF = 2127.9 RUN NO = 56.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.4624 -.4452 -.3797 .0030  
.230 -.1710 -.0541 -.0624 -.1262  
.410 -.1590 -.0728 -.0659 -.0710  
.590 -.1366 -.0866 -.0728 -.0504  
.770 -.1452 -.1107 -.1141 -.1452  
.878 -.1710 -.1521 -.1383 -.1676

BETA ( 1 ) = -10.100 ALPHA ( 3 ) = 4.130 Q(PSF) = 42.870 PO/PSF = 2127.9 RUN NO = 56.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.4126 -.4368 -.4126 .0496  
.230 -.1004 -.0038 .0013 -.0573  
.410 -.1004 -.0193 -.0107 -.0159  
.590 -.0883 -.0349 -.0211 .0030  
.770 -.0970 -.0642 -.0625 -.0649  
.878 -.1177 -.1056 -.0866 -.1108

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM12)

BETA ( 1 ) = -10.090    ALPHA ( 4 ) = 6.230    Q(PSF) = 42.870    PO/PSF = 2127.9    RUN NO = 56.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML    .0760    .3100    .5820    .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3281 | -.4005 | -.3850 | .0961  |
| .230 | -.6297 | .0530  | .0634  | .0064  |
| .410 | -.0435 | .0358  | .0478  | .0427  |
| .590 | -.0383 | .0151  | .0340  | .0599  |
| .770 | -.0452 | -.0159 | -.0090 | -.0280 |
| .878 | -.0694 | -.0538 | -.0331 | -.0521 |

BETA ( 1 ) = -10.100    ALPHA ( 5 ) = 8.300    Q(PSF) = 42.870    PO/PSF = 2127.9    RUN NO = 56.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML    .0760    .3100    .5820    .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | .0047  | .0703  | .1030  | .1013  |
| .230 | .0064  | .0375  | .0858  | .1117  |
| .410 | -.0159 | -.0038 | .0444  | .0271  |
| .590 | -.7387 | -.2263 | .0168  | .0047  |
| .770 | -.0124 | .0358  | -.3454 | -.3229 |
| .878 | -.0607 | .0220  | .0910  | .1272  |

BETA ( 1 ) = -10.100    ALPHA ( 6 ) = 10.390    Q(PSF) = 42.870    PO/PSF = 2127.9    RUN NO = 56.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML    .0760    .3100    .5820    .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1401 | -.2765 | -.2402 | -.0280 |
| .230 | .0962  | .1652  | .1824  | .1324  |
| .410 | .0789  | .1411  | .1600  | .1618  |
| .590 | .0496  | .1169  | .1393  | .1652  |
| .770 | .0565  | .0841  | .0927  | .0858  |
| .878 | .0306  | .0427  | .0668  | .0634  |

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM12)

BETA ( 2 ) = -5.040 ALPHA ( 1 ) = .010 Q(PSF) = 42.887 PO/PSF = 2127.8 RUN NO = 57.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7391 | -.6597 | -.7633 | -.1350 |
| .230 | -.1264 | -.0867 | -.1143 | -.1816 |
| .410 | -.1471 | -.1212 | -.1367 | -.2092 |
| .590 | -.1350 | -.1384 | -.1453 | -.1626 |
| .770 | -.1540 | -.1522 | -.1609 | -.1764 |
| .878 | -.1799 | -.1816 | -.1678 | -.1626 |

BETA ( 2 ) = -5.040 ALPHA ( 2 ) = 2.060 Q(PSF) = 42.887 PO/PSF = 2127.8 RUN NO = 57.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6898 | -.5691 | -.6484 | -.0908 |
| .230 | -.0693 | -.0417 | -.0417 | -.1141 |
| .410 | -.0952 | -.0710 | -.0831 | -.1624 |
| .590 | -.0934 | -.0900 | -.0934 | -.1020 |
| .770 | -.1089 | -.1072 | -.1124 | -.1227 |
| .878 | -.1348 | -.1382 | -.1210 | -.1107 |

BETA ( 2 ) = -5.040 ALPHA ( 3 ) = 4.120 Q(PSF) = 42.887 PO/PSF = 2127.8 RUN NO = 57.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5959 | -.4889 | -.5372 | -.1885 |
| .230 | -.0245 | -.0021 | .0203  | -.0573 |
| .410 | -.0418 | -.0193 | -.0228 | -.0936 |
| .590 | -.0504 | -.0401 | -.0401 | -.0452 |
| .770 | -.0642 | -.0625 | -.0625 | -.0711 |
| .878 | -.0901 | -.0936 | -.0746 | -.0625 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM12)

BETA ( 2 ) = -5.040 ALPHA ( 4 ) = 6.180 Q(PSF) = 42.887 PO/PSF = 2127.8 RUN NO = 57.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4710 | -.4331 | -.4434 | -.3382 |
| .230 | .0151  | .0426  | .0461  | -.0124 |
| .410 | .0064  | .0306  | .0340  | -.0159 |
| .590 | -.0038 | .0099  | .0151  | .0168  |
| .770 | -.0159 | -.0176 | -.0141 | -.0228 |
| .878 | -.0452 | -.0503 | -.0314 | -.0245 |

BETA ( 2 ) = -5.040 ALPHA ( 5 ) = 8.270 Q(PSF) = 42.887 PO/PSF = 2127.8 RUN NO = 57.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3142 | -.3884 | -.3608 | -.4729 |
| .230 | .0530  | .0858  | .0461  | .0254  |
| .410 | .0565  | .0823  | .0875  | .0599  |
| .590 | .0427  | .0565  | .0685  | .0858  |
| .770 | .0271  | .0289  | .0358  | .0271  |
| .878 | -.0021 | -.0055 | .0116  | .0099  |

BETA ( 2 ) = -5.040 ALPHA ( 6 ) = 10.320 Q(PSF) = 42.887 PO/PSF = 2127.8 RUN NO = 57.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1848 | -.3434 | -.2899 | -.4623 |
| .230 | .0892  | .1219  | .0633  | .0599  |
| .410 | .0978  | .1254  | .1392  | .1271  |
| .590 | .0857  | .1030  | .1202  | .1426  |
| .770 | .0685  | .0702  | .0823  | .0874  |
| .878 | .0375  | .0323  | .0547  | .0530  |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM12)

BETA ( 3 ) = -.010 ALPHA ( 1 ) = .000 Q(PSF) = 42.922 PO/PSF = 2127.8 RUN NO = 58.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.8209 | -.6399 | -.6899 | -.5175 |
| .230 | -.1003 | -.1538 | -.1124 | -.1986 |
| .410 | -.1021 | -.1003 | -.1210 | -.2434 |
| .590 | -.1072 | -.1279 | -.1469 | -.1986 |
| .770 | -.1262 | -.1417 | -.1572 | -.1624 |
| .878 | -.1503 | -.1676 | -.1538 | -.1227 |

BETA ( 3 ) = -.010 ALPHA ( 2 ) = 2.070 Q(PSF) = 42.922 PO/PSF = 2127.8 RUN NO = 58.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7272 | -.5980 | -.6067 | -.6325 |
| .230 | -.0779 | -.1295 | -.1295 | -.1537 |
| .410 | -.0744 | -.0555 | -.0675 | -.1778 |
| .590 | -.0813 | -.0848 | -.0951 | -.1330 |
| .770 | -.0968 | -.1037 | -.1089 | -.1106 |
| .878 | -.1209 | -.1261 | -.1140 | -.0968 |

BETA ( 3 ) = .000 ALPHA ( 3 ) = 4.120 Q(PSF) = 42.922 PO/PSF = 2127.8 RUN NO = 58.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6321 | -.5613 | -.5355 | -.7115 |
| .230 | -.0556 | -.0901 | -.1384 | -.1126 |
| .410 | -.0694 | -.0090 | -.0193 | -.1126 |
| .590 | -.0694 | -.0401 | -.0401 | -.0608 |
| .770 | -.0815 | -.0625 | -.0608 | -.0573 |
| .878 | -.1039 | -.0918 | -.0729 | -.0642 |



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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM12)

BETA ( 3 ) = -.010 ALPHA ( 4 ) = 6.190 Q(PSF) = 42.922 PQ/PSF = 2127.8 RUN NO = 58.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5405 | -.5081 | -.4683 | -.6678 |
| .230 | -.0399 | -.0726 | -.1363 | -.0933 |
| .410 | -.0898 | .0271  | .0271  | -.0502 |
| .590 | -.0640 | .0030  | .0150  | .0150  |
| .770 | -.0657 | -.0227 | -.0124 | .0150  |
| .878 | -.0864 | -.0554 | -.0330 | -.0416 |

BETA ( 3 ) = -.010 ALPHA ( 5 ) = 8.270 Q(PSF) = 42.922 PQ/PSF = 2127.8 RUN NO = 58.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4986 | -.4365 | -.3865 | -.6021 |
| .230 | -.0607 | -.0883 | -.1435 | -.0728 |
| .410 | -.0917 | .0599  | .0616  | -.0021 |
| .590 | -.0590 | .0409  | .0633  | .0771  |
| .770 | -.0555 | .0168  | .0323  | .0720  |
| .878 | -.0728 | -.0228 | .0047  | -.0107 |

BETA ( 3 ) = -.010 ALPHA ( 6 ) = 10.310 Q(PSF) = 42.922 PQ/PSF = 2127.8 RUN NO = 58.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4586 | -.3570 | -.2605 | -.3673 |
| .230 | -.0951 | -.1123 | -.1675 | -.1451 |
| .410 | -.1123 | .0719  | .0581  | .0357  |
| .590 | -.0675 | .0736  | .1081  | .1098  |
| .770 | -.0503 | .0512  | .0788  | .1115  |
| .878 | -.0624 | .0150  | .0478  | .0292  |

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM12)

BETA ( 4 ) = 5.030 ALPHA ( 1 ) = .000 Q(PSF) = 42.835 PO/PSF = 2127.8 RUN NO = 59.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.8518 | -.7067 | -.6946 | -.7775 |
| .230 | -.2180 | -.2439 | -.2870 | -.2370 |
| .410 | -.2732 | -.0936 | -.1040 | -.2577 |
| .590 | -.2283 | -.1264 | -.1247 | -.1800 |
| .770 | -.2145 | -.1420 | -.1385 | -.1333 |
| .878 | -.2266 | -.1662 | -.1472 | -.1523 |

BETA ( 4 ) = 5.030 ALPHA ( 2 ) = 2.040 Q(PSF) = 42.835 PO/PSF = 2127.8 RUN NO = 59.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7916 | -.6638 | -.6378 | -.8210 |
| .230 | -.2923 | -.2422 | -.2992 | -.2163 |
| .410 | -.2768 | -.0677 | -.0626 | -.1990 |
| .590 | -.2267 | -.0936 | -.0746 | -.1109 |
| .770 | -.2077 | -.1092 | -.0971 | -.0677 |
| .878 | -.2180 | -.1368 | -.1144 | -.1368 |

BETA ( 4 ) = 5.030 ALPHA ( 3 ) = 4.090 Q(PSF) = 42.835 PO/PSF = 2127.8 RUN NO = 59.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7291 | -.5892 | -.5668 | -.7947 |
| .230 | -.4183 | -.2715 | -.3060 | -.2197 |
| .410 | -.3198 | -.0453 | -.0401 | -.1454 |
| .590 | -.2438 | -.0625 | -.0332 | -.0453 |
| .770 | -.2128 | -.0781 | -.0556 | -.0158 |
| .878 | -.2197 | -.1092 | -.0798 | -.1092 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM12)

BETA ( 4 ) = 5.030 ALPHA ( 4 ) = 8.230 Q(PSF) = 42.835 PO/PSF = 2127.8 RUN NO = 59.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6095 | -.5371 | -.4214 | -.5422 |
| .230 | -.5837 | -.2955 | -.3265 | -.3127 |
| .410 | -.3835 | -.0435 | -.0711 | -.1074 |
| .590 | -.2834 | -.0366 | .0030  | -.0073 |
| .770 | -.2213 | -.0470 | -.0124 | .0133  |
| .878 | -.2195 | -.0763 | -.0418 | -.0711 |

BETA ( 4 ) = 5.020 ALPHA ( 5 ) = 8.330 Q(PSF) = 42.835 PO/PSF = 2127.8 RUN NO = 59.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5421 | -.4832 | -.3984 | -.5023 |
| .230 | -.7048 | -.2704 | -.2807 | -.2669 |
| .410 | -.4261 | -.0298 | -.0488 | -.0696 |
| .590 | -.3032 | -.0158 | .0307  | .0290  |
| .770 | -.2357 | -.0229 | .0134  | .0497  |
| .878 | -.2254 | -.0557 | -.0159 | -.0436 |

BETA ( 4 ) = 5.020 ALPHA ( 6 ) = 10.320 Q(PSF) = 42.835 PO/PSF = 2127.8 RUN NO = 59.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4378 | -.4137 | -.3827 | -.4567 |
| .230 | -.7616 | -.2673 | -.2363 | -.2087 |
| .410 | -.4516 | -.0090 | -.0296 | -.0382 |
| .590 | -.3017 | .0099  | .0529  | .0615  |
| .770 | -.2329 | .0030  | .0443  | .0788  |
| .878 | -.2156 | -.0296 | .0150  | -.0021 |

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM12)

BETA ( 5 ) = 10.070 ALPHA ( 1 ) = .000 Q(PSF) = 42.890 PO/PSF = 2127.9 RUN NO = 60.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7350 | -.8177 | -.7574 | -.9264 |
| .230 | -.6763 | -.2159 | -.2538 | -.2607 |
| .410 | -.4504 | -.1452 | -.1297 | -.2332 |
| .590 | -.3625 | -.1607 | -.1331 | -.1469 |
| .770 | -.3245 | -.1745 | -.1452 | -.1038 |
| .878 | -.3177 | -.2004 | -.1556 | -.1694 |

BETA ( 5 ) = 10.060 ALPHA ( 2 ) = 2.060 Q(PSF) = 42.890 PO/PSF = 2127.9 RUN NO = 60.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.8135 | -.7772 | -.7306 | -.8411 |
| .230 | -.8152 | -.2317 | -.2438 | -.2455 |
| .410 | -.5010 | -.1333 | -.1143 | -.1920 |
| .590 | -.3853 | -.1488 | -.1126 | -.1143 |
| .770 | -.3404 | -.1644 | -.1247 | -.0867 |
| .878 | -.3215 | -.2041 | -.1419 | -.1575 |

BETA ( 5 ) = 10.060 ALPHA ( 3 ) = 4.110 Q(PSF) = 42.890 PO/PSF = 2127.9 RUN NO = 60.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |         |        |        |        |
|------|---------|--------|--------|--------|
| .050 | -.6799  | -.6575 | -.6989 | -.6989 |
| .230 | -1.0110 | -.3384 | -.2970 | -.2435 |
| .410 | -.5988  | -.1090 | -.0900 | -.1452 |
| .590 | -.4367  | -.1263 | -.0780 | -.0711 |
| .770 | -.3677  | -.1556 | -.1004 | -.0590 |
| .878 | -.3436  | -.2108 | -.1245 | -.1435 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM12)

BETA ( 5 ) = 10.060 ALPHA ( 4 ) = 6.180 Q(PSF) = 42.890 PO/PSF = 2127.9 RUN NO = 60.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4637 | -.4775 | -.4896 | -.5688 |
| .230 | -.9134 | -.5103 | -.4792 | -.4620 |
| .410 | -.7273 | -.1967 | -.2346 | -.2381 |
| .590 | -.5327 | -.1192 | -.0624 | -.0538 |
| .770 | -.4241 | -.1519 | -.0383 | -.0090 |
| .878 | -.3742 | -.2346 | -.0727 | -.1003 |

BETA ( 5 ) = 10.060 ALPHA ( 4 ) = 8.260 Q(PSF) = 42.890 PO/PSF = 2127.9 RUN NO = 60.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3620 | -.3671 | -.3964 | -.4619 |
| .230 | -.6599 | -.4567 | -.4601 | -.5015 |
| .410 | -.7116 | -.3448 | -.3706 | -.3878 |
| .590 | -.5617 | -.1863 | -.1054 | -.1020 |
| .770 | -.4464 | -.2122 | -.0047 | -.0323 |
| .878 | -.3758 | -.3207 | -.0262 | -.0469 |

BETA ( 5 ) = 10.060 ALPHA ( 6 ) = 10.330 Q(PSF) = 42.890 PO/PSF = 2127.9 RUN NO = 60.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3267 | -.3388 | -.3681 | -.4182 |
| .230 | -.5909 | -.4096 | -.4096 | -.4614 |
| .410 | -.6513 | -.3768 | -.3975 | -.4165 |
| .590 | -.5511 | -.2663 | -.1178 | -.1506 |
| .770 | -.4458 | -.3578 | .0168  | .0565  |
| .878 | -.3629 | -.4441 | -.0038 | .0168  |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFH13) ( 03 FEB 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0405

## PARAMETRIC DATA

MACH = .170 ELEVON = .000  
 BDFLAP = .000 SPDBRK = 25.000  
 PHI-N = 66.000 THETAN = 20.000  
 PHI-M = 70.000 THETAM = 11.200

BETA ( 1 ) = -10.100 ALPHA ( 1 ) = .010 Q(PSF) = 42.892 PO/PSF = 2127.6 RUN NO = 62.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.1523 -.0090 .0893 .0617  
 .230 -.2041 -.0815 -.0849 -.1505  
 .410 -.2023 -.1022 -.1039 -.1333  
 .590 -.1644 -.1195 -.1160 -.1160  
 .770 -.1764 -.1436 -.1540 -.1902  
 .878 -.1937 -.1833 -.1747 -.2041

BETA ( 1 ) = -10.100 ALPHA ( 2 ) = 2.090 Q(PSF) = 42.892 PO/PSF = 2127.6 RUN NO = 62.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.1436 -.1091 .0254 .0946  
 .230 -.1315 -.0314 -.0331 -.0936  
 .410 -.1367 -.0504 -.0539 -.0936  
 .590 -.1160 -.0711 -.0694 -.0711  
 .770 -.1263 -.1005 -.1074 -.1402  
 .878 -.1471 -.1402 -.1281 -.1574

BETA ( 1 ) = -10.100 ALPHA ( 3 ) = 4.120 Q(PSF) = 42.892 PO/PSF = 2127.6 RUN NO = 62.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 / .8530

X/CML

.050 -.1298 -.2247 -.1453 .1341  
 .230 -.0556 .0254 .0272 -.0297  
 .410 -.0677 .0064 .0030 -.0400  
 .590 -.0625 -.0176 -.0142 -.0159  
 .770 -.0728 -.0487 -.0539 -.0780  
 .878 -.0935 -.0884 -.0763 -.1004

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM13)

BETA ( 1 ) = -10.100    ALPHA ( 4 ) =    6.180    Q(PSF) = 42.892    P0/PSF = 2127.6    RUN NO = 62.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML        .0760    .3100    .5820    .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1211 | -.3004 | -.2797 | .1685  |
| .230 | .0099  | .0771  | .0806  | .0185  |
| .410 | -.0090 | .0513  | .0582  | .0220  |
| .590 | -.0279 | .0289  | .0392  | .0375  |
| .770 | -.0228 | -.0004 | -.0038 | -.0262 |
| .878 | -.0452 | -.0417 | -.0279 | -.0504 |

BETA ( 1 ) = -10.100    ALPHA ( 5 ) =    8.270    Q(PSF) = 42.892    P0/PSF = 2127.6    RUN NO = 62.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML        .0760    .3100    .5820    .8530

X/CML

|      |        |        |        |       |
|------|--------|--------|--------|-------|
| .050 | -.0884 | -.2731 | -.2507 | .1636 |
| .230 | .0772  | .1359  | .1480  | .0617 |
| .410 | .0582  | .1066  | .1100  | .0686 |
| .590 | -.0021 | .0824  | .0928  | .0945 |
| .770 | .0323  | .0479  | .0479  | .0358 |
| .878 | .0082  | .0064  | .0254  | .0082 |

BETA ( 1 ) = -10.100    ALPHA ( 6 ) =    10.330    Q(PSF) = 42.892    P0/PSF = 2127.6    RUN NO = 62.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML        .0760    .3100    .5820    .8530

X/CML

|      |        |        |        |       |
|------|--------|--------|--------|-------|
| .050 | -.0296 | -.2065 | -.1859 | .0511 |
| .230 | .1284  | .1799  | .1936  | .1043 |
| .410 | .1129  | .1524  | .1627  | .1284 |
| .590 | .0700  | .1284  | .1438  | .1490 |
| .770 | .0820  | .0957  | .0992  | .0872 |
| .878 | .0562  | .0545  | .0717  | .0562 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM13)

BETA ( 2 ) = -5.060 ALPHA ( 1 ) = .000 Q(PSF) = 42.912 PO/PSF = 2127.5 RUN NO = 63.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6385 | -.6040 | -.6471 | -.0486 |
| .230 | -.1176 | -.0814 | -.1073 | -.1590 |
| .410 | -.1400 | -.1194 | -.1452 | -.2625 |
| .590 | -.1245 | -.1400 | -.1625 | -.2177 |
| .770 | -.1469 | -.1521 | -.1694 | -.1780 |
| .878 | -.1676 | -.1797 | -.1728 | -.1797 |

BETA ( 2 ) = -5.060 ALPHA ( 2 ) = 2.050 Q(PSF) = 42.912 PO/PSF = 2127.5 RUN NO = 63.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5874 | -.5099 | -.5891 | -.0107 |
| .230 | -.0554 | -.0262 | -.0348 | -.1277 |
| .410 | -.0813 | -.0658 | -.0847 | -.1897 |
| .590 | -.0778 | -.0899 | -.1105 | -.1639 |
| .770 | -.1002 | -.1071 | -.1228 | -.1277 |
| .878 | -.1191 | -.1346 | -.1243 | -.1295 |

BETA ( 2 ) = -5.060 ALPHA ( 3 ) = 4.090 Q(PSF) = 42.912 PO/PSF = 2127.5 RUN NO = 63.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5037 | -.4365 | -.4882 | -.0331 |
| .230 | -.0055 | .0099  | .0392  | -.0883 |
| .410 | -.0245 | -.0124 | -.0210 | -.1124 |
| .590 | -.0314 | -.0383 | -.0521 | -.1003 |
| .770 | -.0503 | -.0624 | -.0728 | -.0797 |
| .878 | -.0728 | -.0900 | -.0797 | -.0831 |



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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM13)

BETA ( 2 ) = -5.060 ALPHA ( 4 ) = 6.180 Q(PSF) = 42.912 PO/PSF = 2127.5 RUN NO = 63.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4161 | -.3816 | -.4092 | -.2143 |
| .230 | .0306  | .0340  | .0582  | -.0366 |
| .410 | .0254  | .0427  | .0392  | -.0469 |
| .590 | .0116  | .0099  | .0047  | -.0297 |
| .770 | -.0073 | -.0142 | -.0228 | -.0193 |
| .878 | -.0297 | -.0452 | -.0314 | -.0331 |

BETA ( 2 ) = -5.060 ALPHA ( 5 ) = 8.280 Q(PSF) = 42.912 PO/PSF = 2127.5 RUN NO = 63.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3397 | -.3415 | -.3329 | -.3932 |
| .230 | .0616  | .0547  | .0306  | .0030  |
| .410 | .0667  | .0943  | .0943  | .0202  |
| .590 | .0529  | .0598  | .0616  | .0409  |
| .770 | .0357  | .0323  | .0340  | .0323  |
| .878 | .0116  | .0013  | .0185  | .0133  |

BETA ( 2 ) = -5.060 ALPHA ( 6 ) = 10.300 Q(PSF) = 42.912 PO/PSF = 2127.5 RUN NO = 63.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3124 | -.2865 | -.2882 | -.4244 |
| .230 | .0823  | .0495  | .0202  | .0116  |
| .410 | .0788  | .1323  | .1426  | .0582  |
| .590 | .0754  | .1047  | .1150  | .1047  |
| .770 | .0616  | .0754  | .0823  | .0892  |
| .878 | .0426  | .0426  | .0633  | .0633  |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM13)

BETA ( 3 ) = .000 ALPHA ( 1 ) = .000 Q(PSF) = 42.902 PO/PSF = 2119.0 RUN NO = 67.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7830 | -.5916 | -.6865 | -.1607 |
| .230 | -.0831 | -.1434 | -.0831 | -.1952 |
| .410 | -.1003 | -.1072 | -.1400 | -.3020 |
| .590 | -.1107 | -.1452 | -.1831 | -.3089 |
| .770 | -.1365 | -.1590 | -.1848 | -.2055 |
| .878 | -.1555 | -.1762 | -.1710 | -.1624 |

BETA ( 3 ) = .000 ALPHA ( 2 ) = 2.040 Q(PSF) = 42.902 PO/PSF = 2119.0 RUN NO = 67.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7330 | -.5503 | -.6020 | -.4055 |
| .230 | -.0659 | -.1452 | -.0814 | -.1452 |
| .410 | -.0745 | -.0555 | -.0710 | -.2141 |
| .590 | -.0797 | -.0952 | -.1245 | -.2296 |
| .770 | -.1107 | -.1159 | -.1383 | -.1659 |
| .878 | -.1331 | -.1365 | -.1296 | -.1245 |

BETA ( 3 ) = .000 ALPHA ( 3 ) = 4.120 Q(PSF) = 42.902 PO/PSF = 2119.0 RUN NO = 67.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6870 | -.5179 | -.5352 | -.5938 |
| .230 | -.0590 | -.1453 | -.1366 | -.1297 |
| .410 | -.0987 | -.0038 | -.0124 | -.1453 |
| .590 | -.0797 | -.0487 | -.0507 | -.1435 |
| .770 | -.1004 | -.0728 | -.0866 | -.1159 |
| .878 | -.1211 | -.0970 | -.0849 | -.0918 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM13)

BETA ( 3 ) = .000 ALPHA ( 4 ) = 6.200 Q(P5F) = 42.902 PO/PSF = 2119.0 RUN NO = 67.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6066 | -.4533 | -.5101 | -.6599 |
| .230 | -.0951 | -.1691 | -.1640 | -.1467 |
| .410 | -.1399 | .0254  | .0237  | -.1020 |
| .590 | -.0916 | -.0055 | .0030  | -.0486 |
| .770 | -.0882 | -.0262 | -.0227 | -.0245 |
| .878 | -.1002 | -.0537 | -.0331 | -.0348 |

BETA ( 3 ) = .000 ALPHA ( 5 ) = 8.270 Q(P5F) = 42.902 PO/PSF = 2119.0 RUN NO = 67.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3879 | -.3500 | -.4430 | -.5948 |
| .230 | -.2208 | -.2191 | -.2122 | -.1812 |
| .410 | -.1760 | .0478  | .0547  | -.0520 |
| .590 | -.1020 | .0426  | .0564  | .0047  |
| .770 | -.0813 | .0185  | .0288  | .0219  |
| .878 | -.0848 | -.0141 | .0116  | .0202  |

BETA ( 3 ) = .000 ALPHA ( 6 ) = 10.320 Q(P5F) = 42.902 PO/PSF = 2119.0 RUN NO = 67.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2490 | -.2559 | -.3025 | -.3819 |
| .230 | -.3301 | -.2369 | -.2317 | -.2420 |
| .410 | -.2679 | -.0055 | .0047  | -.0521 |
| .590 | -.1402 | .0686  | .0772  | .0444  |
| .770 | -.0936 | .0513  | .0651  | .0582  |
| .878 | -.0815 | .0237  | .0531  | .0651  |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM13)

BETA ( 4 ) = 5.050 ALPHA ( 1 ) = .010 Q(PSF) = 42.927 PO/PSF = 2119.0 RUN NO = 68.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.8263 | -.6904 | -.7059 | -.7506 |
| .230 | -.2464 | -.3152 | -.2980 | -.2653 |
| .410 | -.2894 | -.0984 | -.1242 | -.2912 |
| .590 | -.2327 | -.1466 | -.1724 | -.2929 |
| .770 | -.2361 | -.1573 | -.1862 | -.2327 |
| .878 | -.2395 | -.1828 | -.1759 | -.1845 |

BETA ( 4 ) = 5.050 ALPHA ( 2 ) = 2.040 Q(PSF) = 42.927 PO/PSF = 2119.0 RUN NO = 68.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7435 | -.6210 | -.6866 | -.8142 |
| .230 | -.3969 | -.3348 | -.3210 | -.2917 |
| .410 | -.3366 | -.0745 | -.0814 | -.2435 |
| .590 | -.2573 | -.1090 | -.1193 | -.2314 |
| .770 | -.2331 | -.1348 | -.1400 | -.1728 |
| .878 | -.2297 | -.1521 | -.1348 | -.1314 |

BETA ( 4 ) = 5.050 ALPHA ( 3 ) = 4.140 Q(PSF) = 42.927 PO/PSF = 2119.0 RUN NO = 68.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4677 | -.4918 | -.6367 | -.7901 |
| .230 | -.6194 | -.4108 | -.4073 | -.3573 |
| .410 | -.4228 | -.0728 | -.0504 | -.2021 |
| .590 | -.2866 | -.0573 | -.0504 | -.1418 |
| .770 | -.2366 | -.0883 | -.0814 | -.1021 |
| .878 | -.2211 | -.1107 | -.0866 | -.0728 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM13)

BETA ( 4 ) = 5.050 ALPHA ( 4 ) = 6.210 Q(PSF) = 42.927 PO/PSF = 2119.0 RUN NO = 68.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4111 | -.4283 | -.5008 | -.5940 |
| .230 | -.6320 | -.4145 | -.4128 | -.4266 |
| .410 | -.4957 | -.1419 | -.1332 | -.2092 |
| .590 | -.3214 | -.0383 | -.0366 | -.0797 |
| .770 | -.2471 | -.0539 | -.0366 | -.0487 |
| .878 | -.2213 | -.0866 | -.0470 | -.0418 |

BETA ( 4 ) = 5.050 ALPHA ( 5 ) = 8.320 Q(PSF) = 42.927 PO/PSF = 2119.0 RUN NO = 68.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3806 | -.3978 | -.4322 | -.5612 |
| .230 | -.6403 | -.4167 | -.3978 | -.4047 |
| .410 | -.5130 | -.1483 | -.1707 | -.1844 |
| .590 | -.3341 | -.0227 | -.0124 | -.0244 |
| .770 | -.2395 | -.0382 | .0133  | .0288  |
| .878 | -.2051 | -.0829 | -.0090 | -.0227 |

BETA ( 4 ) = 5.050 ALPHA ( 6 ) = 10.370 Q(PSF) = 42.927 PO/PSF = 2119.0 RUN NO = 68.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3087 | -.3259 | -.3587 | -.4500 |
| .230 | -.5206 | -.3983 | -.3793 | -.3845 |
| .410 | -.4810 | -.1950 | -.2019 | -.2415 |
| .590 | -.3259 | -.0451 | -.0004 | -.0262 |
| .770 | -.2260 | -.0624 | .0461  | .0443  |
| .878 | -.1847 | -.1227 | .0288  | .0133  |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM13)

BETA ( 5 ) = 10.100 ALPHA ( 1 ) = .030 Q(PSF) = 42.917 PO/PSF = 2119.1 RUN NO = 69.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |         |        |        |        |
|------|---------|--------|--------|--------|
| .050 | -.7681  | -.7337 | -.8559 | -.9902 |
| .230 | -1.0711 | -.4755 | -.4101 | -.4514 |
| .410 | -.5839  | -.1277 | -.1381 | -.3223 |
| .590 | -.4135  | -.1604 | -.1467 | -.2138 |
| .770 | -.3429  | -.1897 | -.1622 | -.1536 |
| .878 | -.3257  | -.2190 | -.1725 | -.1949 |

BETA ( 5 ) = 10.100 ALPHA ( 2 ) = 2.080 Q(PSF) = 42.917 PO/PSF = 2119.1 RUN NO = 69.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7089 | -.7244 | -.8796 | -.9123 |
| .230 | -.9813 | -.4641 | -.3727 | -.4296 |
| .410 | -.5951 | -.1107 | -.1176 | -.2779 |
| .590 | -.4089 | -.1572 | -.1159 | -.1745 |
| .770 | -.3262 | -.1952 | -.1365 | -.1159 |
| .878 | -.3055 | -.2314 | -.1486 | -.1659 |

BETA ( 5 ) = 10.100 ALPHA ( 3 ) = 4.110 Q(PSF) = 42.917 PO/PSF = 2119.1 RUN NO = 69.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6261 | -.7019 | -.9053 | -.7726 |
| .230 | -.7347 | -.5347 | -.4020 | -.4054 |
| .410 | -.5123 | -.2072 | -.1400 | -.2606 |
| .590 | -.3761 | -.2158 | -.0952 | -.1279 |
| .770 | -.3037 | -.2520 | -.1072 | -.0952 |
| .878 | -.2779 | -.2899 | -.1227 | -.1451 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM13)

BETA ( 5 ) = 10.100 ALPHA ( 4 ) = 6.230 Q(PSF) = 42.917 PO/PSF = 2119.1 RUN NO = 69.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5209 | -.2917 | -.4399 | -.4847 |
| .230 | -.3848 | -.3468 | -.1417 | -.1865 |
| .410 | -.3089 | -.3727 | -.0262 | -.0452 |
| .590 | .1030  | -.4675 | -.0452 | -.0676 |
| .770 | -.2813 | -.6313 | -.4847 | -.4951 |
| .878 | .0392  | -.6744 | .0000  | -.5658 |

BETA ( 5 ) = 10.100 ALPHA ( 5 ) = 8.280 Q(PSF) = 42.917 PO/PSF = 2119.1 RUN NO = 69.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4453 | -.4573 | -.4573 | -.5194 |
| .230 | -.5487 | -.5366 | -.5297 | -.6091 |
| .410 | -.6315 | -.5056 | -.4935 | -.4970 |
| .590 | -.5228 | -.4918 | -.2176 | -.2883 |
| .770 | -.4108 | -.4953 | .0064  | -.0469 |
| .878 | -.3194 | -.4832 | .0000  | -.0142 |

BETA ( 5 ) = 10.090 ALPHA ( 6 ) = 10.340 Q(PSF) = 42.917 PO/PSF = 2119.1 RUN NO = 69.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4381 | -.4432 | -.4449 | -.4932 |
| .230 | -.5104 | -.5104 | -.4932 | -.5604 |
| .410 | -.5587 | -.4984 | -.4708 | -.4846 |
| .590 | -.4811 | -.5501 | -.2692 | -.3484 |
| .770 | -.3915 | -.5190 | -.0745 | -.0607 |
| .878 | -.3088 | -.4794 | -.0486 | -.0055 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM14) ( 03 FEB 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0405

## PARAMETRIC DATA

MACH = .170 ELEVON = .000  
 BDFLAP = .000 SPDBRK = 25.000  
 PHI-N = 66.000 THETAN = 20.000  
 PHI-M = 88.000 THETAM = 20.000

BETA ( 1 ) = -10.090 ALPHA ( 1 ) = .010 Q(PSF) = 42.902 PO/PSF = 2119.2 RUN NO = 70.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.0864 .0564 .1304 .1030  
 .230 -.1691 -.0675 -.0796 -.1777  
 .410 -.1984 -.1002 -.1106 -.1622  
 .590 -.1622 -.1260 -.1260 -.1381  
 .770 -.1863 -.1467 -.1605 -.1846  
 .878 -.2018 -.1880 -.1777 -.2104

BETA ( 1 ) = -10.090 ALPHA ( 2 ) = 2.110 Q(PSF) = 42.902 PO/PSF = 2119.2 RUN NO = 70.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.0556 -.1109 .0272 .1342  
 .230 -.0884 -.0159 -.0245 -.1264  
 .410 -.1264 -.0487 -.0539 -.1074  
 .590 -.1057 -.0763 -.0711 -.0798  
 .770 -.1298 -.0988 -.1109 -.1316  
 .878 -.1506 -.1419 -.1316 -.1609

BETA ( 1 ) = -10.090 ALPHA ( 3 ) = 4.120 Q(PSF) = 42.902 PO/PSF = 2119.2 RUN NO = 70.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.0211 -.2802 -.2508 .1636  
 .230 -.0194 .0393 .0324 -.0833  
 .410 -.0522 .0065 .0013 -.0487  
 .590 -.0401 -.0211 -.0159 -.0228  
 .770 -.0729 -.0487 -.0539 -.0695  
 .878 -.0954 -.0902 -.0781 -.1005

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM14)

BETA ( 1 ) = -10.090 ALPHA ( 4 ) = 6.190 Q(PSF) = 42.902 PO/PSF = 2119.2 RUN NO = 70.000

SECTION ( 1 ) MAIN LND GR DR-0 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0988 | -.3113 | -.3095 | .1757  |
| .230 | .0496  | .0980  | .0980  | -.0384 |
| .410 | .0134  | .0600  | .0617  | .0065  |
| .590 | .0151  | .0306  | .0375  | .0306  |
| .770 | -.0176 | -.0021 | -.0055 | -.0142 |
| .878 | -.0435 | -.0435 | -.0297 | -.0470 |

BETA ( 1 ) = -10.090 ALPHA ( 5 ) = 8.270 Q(PSF) = 42.902 PO/PSF = 2119.2 RUN NO = 70.000

SECTION ( 1 ) MAIN LND GR DR-0 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |       |
|------|--------|--------|--------|-------|
| .050 | -.1053 | -.2395 | -.2464 | .1286 |
| .230 | .1062  | .1527  | .1699  | .0013 |
| .410 | .0821  | .1165  | .1251  | .0735 |
| .590 | .0770  | .0838  | .0976  | .0873 |
| .770 | .0426  | .0512  | .0512  | .0460 |
| .878 | .0150  | .0099  | .0236  | .0064 |

BETA ( 1 ) = -10.100 ALPHA ( 6 ) = 10.340 Q(PSF) = 42.902 PO/PSF = 2119.2 RUN NO = 70.000

SECTION ( 1 ) MAIN LND GR DR-0 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0743 | -.2034 | -.1862 | -.0984 |
| .230 | .1406  | .1819  | .1733  | .0013  |
| .410 | .1338  | .1682  | .1802  | .1338  |
| .590 | .1269  | .1355  | .1510  | .1458  |
| .770 | .0959  | .0976  | .1045  | .1079  |
| .878 | .0632  | .0563  | .0718  | .0580  |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM14)

BETA ( 2 ) = -5.080 ALPHA ( 1 ) = -.010 Q(PSF) = 42.865 PO/PSF = 2119.1 RUN NO = 71.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6206 | -.5843 | -.6413 | -.0211 |
| .230 | -.1127 | -.0867 | -.1213 | -.2560 |
| .410 | -.1472 | -.1317 | -.1524 | -.2094 |
| .590 | -.1386 | -.1541 | -.1610 | -.1887 |
| .770 | -.1593 | -.1629 | -.1800 | -.1973 |
| .878 | -.1748 | -.1869 | -.1818 | -.2077 |

BETA ( 2 ) = -5.080 ALPHA ( 2 ) = 2.070 Q(PSF) = 42.865 PO/PSF = 2119.1 RUN NO = 71.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5844 | -.4913 | -.5844 | -.0141 |
| .230 | -.0434 | -.0296 | -.3383 | -.2088 |
| .410 | -.0813 | -.0593 | -.0917 | -.1640 |
| .590 | -.0813 | -.0968 | -.1054 | -.1399 |
| .770 | -.1020 | -.1123 | -.1296 | -.1365 |
| .878 | -.1244 | -.1382 | -.1330 | -.1537 |

BETA ( 2 ) = -5.080 ALPHA ( 3 ) = 4.110 Q(PSF) = 42.865 PO/PSF = 2119.1 RUN NO = 71.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5058 | -.4402 | -.4920 | -.0676 |
| .230 | -.0021 | -.0159 | .0220  | -.2056 |
| .410 | -.0211 | -.0124 | -.0228 | -.1039 |
| .590 | -.0280 | -.0418 | -.0435 | -.0625 |
| .770 | -.0538 | -.0642 | -.0728 | -.0780 |
| .878 | -.0797 | -.0935 | -.0883 | -.1039 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM14)

BETA ( 2 ) = -5.080 ALPHA ( 4 ) = 6.200 Q(PSF) = 42.865 PO/PSF = 2119.1 RUN NO = 71.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4699 | -.4094 | -.4198 | -.2972 |
| .230 | .0237  | -.0159 | .0064  | -.2351 |
| .410 | .0203  | .0479  | .0444  | -.0487 |
| .590 | .0203  | .0134  | .0151  | .0013  |
| .770 | -.0055 | -.0124 | -.0176 | -.0211 |
| .878 | -.0349 | -.0470 | -.0366 | -.0539 |

BETA ( 2 ) = -5.080 ALPHA ( 5 ) = 8.270 Q(PSF) = 42.865 PO/PSF = 2119.1 RUN NO = 71.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4510 | -.3802 | -.3854 | -.4941 |
| .230 | .0306  | -.0193 | -.0487 | -.2524 |
| .410 | .0030  | .0997  | .1014  | -.0004 |
| .590 | .0341  | .0703  | .0859  | .0841  |
| .770 | .0185  | .0427  | .0479  | .0703  |
| .878 | -.0004 | .0064  | .0254  | .0151  |

BETA ( 2 ) = -5.080 ALPHA ( 6 ) = 10.330 Q(PSF) = 42.865 PO/PSF = 2119.1 RUN NO = 71.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4575 | -.3350 | -.3781 | -.4937 |
| .230 | -.0193 | -.0400 | -.0487 | -.1832 |
| .410 | -.0090 | .1375  | .1531  | .0392  |
| .590 | .0375  | .1168  | .1410  | .1427  |
| .770 | .0427  | .0875  | .1048  | .1272  |
| .878 | .0220  | .0496  | .0754  | .0685  |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

PAGE 837

OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM14)

BETA ( 3 ) = .000 ALPHA ( 1 ) = .000 Q(PSF) = 42.907 PO/PSF = 2119.1 RUN NO = 72.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.8021 | -.6068 | -.6967 | -.2094 |
| .230 | -.0867 | -.1714 | -.1058 | -.3148 |
| .410 | -.1092 | -.1144 | -.1472 | -.2682 |
| .590 | -.1196 | -.1524 | -.1870 | -.2716 |
| .770 | -.1403 | -.1662 | -.2060 | -.2353 |
| .878 | -.1576 | -.1783 | -.1973 | -.2284 |

BETA ( 3 ) = .000 ALPHA ( 2 ) = 2.030 Q(PSF) = 42.907 PO/PSF = 2119.1 RUN NO = 72.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7749 | -.5856 | -.6321 | -.4789 |
| .230 | -.0847 | -.2000 | -.1449 | -.3601 |
| .410 | -.1071 | -.0640 | -.0933 | -.2413 |
| .590 | -.0950 | -.0933 | -.1071 | -.1518 |
| .770 | -.1174 | -.1071 | -.1174 | -.1054 |
| .878 | -.1363 | -.1295 | -.1226 | -.1277 |

BETA ( 3 ) = .000 ALPHA ( 3 ) = 4.120 Q(PSF) = 42.907 PO/PSF = 2119.1 RUN NO = 72.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7112 | -.5731 | -.5939 | -.7146 |
| .230 | -.1194 | -.2126 | -.2143 | -.3489 |
| .410 | -.1539 | -.0142 | -.0314 | -.1763 |
| .590 | -.1073 | -.0452 | -.0418 | -.0711 |
| .770 | -.1108 | -.0659 | -.0642 | -.0504 |
| .878 | -.1194 | -.0918 | -.0745 | -.0918 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

PAGE 039

OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM14)

BETA ( 3 ) = .000 ALPHA ( 4 ) = 6.180 Q(PSF) = 42.907 PO/PSF = 2119.1 RUN NO = 72.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6132 | -.5065 | -.5994 | -.7251 |
| .230 | -.2483 | -.2431 | -.2104 | -.2878 |
| .410 | -.2052 | .0133  | .0168  | -.1656 |
| .590 | -.1260 | -.0021 | .0202  | -.0004 |
| .770 | -.1036 | -.0245 | -.0107 | .0099  |
| .878 | -.1105 | -.0554 | -.0296 | -.0365 |

BETA ( 3 ) = .000 ALPHA ( 5 ) = 8.240 Q(PSF) = 42.907 PO/PSF = 2119.1 RUN NO = 72.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3933 | -.4019 | -.5002 | -.5364 |
| .230 | -.4967 | -.3278 | -.2882 | -.3640 |
| .410 | -.2916 | .0082  | .0133  | -.1124 |
| .590 | -.1555 | .0495  | .0650  | .0754  |
| .770 | -.1072 | .0254  | .0426  | .0719  |
| .878 | -.1003 | -.0073 | .0168  | .0116  |

BETA ( 3 ) = .000 ALPHA ( 6 ) = 10.310 Q(PSF) = 42.907 PO/PSF = 2119.1 RUN NO = 72.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3450 | -.3381 | -.2933 | -.3381 |
| .230 | -.6224 | -.3415 | -.3467 | -.2623 |
| .410 | -.3863 | -.0400 | -.1244 | -.1572 |
| .590 | -.2054 | .0719  | .0736  | .0478  |
| .770 | -.1175 | .0599  | .0960  | .1047  |
| .878 | -.0934 | .0254  | .0685  | .0599  |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

PAGE 839

OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM14)

BETA ( 4 ) = 5.020 ALPHA ( 1 ) = .000 Q(PSF) = 42.913 PO/PSF = 2119.0 RUN NO = 73.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.8714 | -.7317 | -.7627 | -.8662 |
| .230 | -.3074 | -.3798 | -.3574 | -.4436 |
| .410 | -.3108 | -.1245 | -.1556 | -.3281 |
| .590 | -.2487 | -.1470 | -.1608 | -.2229 |
| .770 | -.2349 | -.1625 | -.1780 | -.2004 |
| .878 | -.2367 | -.1832 | -.1780 | -.2004 |

BETA ( 4 ) = 5.030 ALPHA ( 2 ) = 2.050 Q(PSF) = 42.913 PO/PSF = 2119.0 RUN NO = 73.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7789 | -.6770 | -.7910 | -.9222 |
| .230 | -.5890 | -.4026 | -.3611 | -.4336 |
| .410 | -.3939 | -.1022 | -.1143 | -.3422 |
| .590 | -.2800 | -.1091 | -.0970 | -.1454 |
| .770 | -.2351 | -.1264 | -.1195 | -.1195 |
| .878 | -.2299 | -.1505 | -.1298 | -.1488 |

BETA ( 4 ) = 5.020 ALPHA ( 3 ) = 4.110 Q(PSF) = 42.913 PO/PSF = 2119.0 RUN NO = 73.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5517 | -.5947 | -.7188 | -.7636 |
| .230 | -.7567 | -.4776 | -.4672 | -.5206 |
| .410 | -.5017 | -.1330 | -.1072 | -.3019 |
| .590 | -.3294 | -.0607 | -.0572 | -.0675 |
| .770 | -.2484 | -.0762 | -.0762 | -.0503 |
| .878 | -.2278 | -.1106 | -.0934 | -.1054 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

PAGE 840

0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM14)

BETA ( 4 ) = 5.020 ALPHA ( 4 ) = 6.170 Q(PSF) = 42.913 PO/PSF = 2119.0 RUN NO = 73.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5140 | -.5191 | -.5450 | -.5570 |
| .230 | -.7949 | -.5174 | -.5226 | -.5071 |
| .410 | -.5777 | -.1606 | -.2106 | -.3071 |
| .590 | -.3675 | -.0193 | -.0348 | -.0590 |
| .770 | -.2520 | -.0486 | -.0176 | -.0107 |
| .878 | -.2175 | -.0917 | -.0383 | -.0572 |

BETA ( 4 ) = 5.030 ALPHA ( 5 ) = 8.260 Q(PSF) = 42.913 PO/PSF = 2119.0 RUN NO = 73.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4764 | -.4798 | -.4332 | -.4781 |
| .230 | -.7023 | -.5091 | -.4902 | -.4746 |
| .410 | -.5988 | -.2039 | -.3160 | -.3039 |
| .590 | -.3884 | -.0314 | -.0676 | -.0883 |
| .770 | -.2539 | -.0521 | .0133  | .0099  |
| .878 | -.2090 | -.1021 | -.0021 | -.0038 |

BETA ( 4 ) = 5.020 ALPHA ( 6 ) = 10.330 Q(PSF) = 42.913 PO/PSF = 2119.0 RUN NO = 73.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3872 | -.3975 | -.3820 | -.4147 |
| .230 | -.5023 | -.4645 | -.4490 | -.5212 |
| .410 | -.5075 | -.3029 | -.3459 | -.3339 |
| .590 | -.3717 | -.1396 | -.0691 | -.0966 |
| .770 | -.2445 | -.1585 | .0442  | .0374  |
| .878 | -.1791 | -.2015 | .0356  | .0339  |

DATE 17 MAY 75

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM14)

BETA ( 5 ) = 10.080 ALPHA ( 1 ) = -.010 Q(PSF) = 42.910 PO/PSF = 2119.2 RUN NO = 74.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |         |        |        |         |
|------|---------|--------|--------|---------|
| .050 | -.7582  | -.7565 | -.9614 | -1.0958 |
| .230 | -1.1337 | -.5825 | -.5136 | -.5791  |
| .410 | -.6445  | -.1571 | -.1881 | -.4516  |
| .590 | -.4378  | -.1674 | -.1640 | -.2174  |
| .770 | -.3431  | -.1898 | -.1760 | -.1691  |
| .878 | -.3190  | -.2174 | -.1829 | -.1967  |

BETA ( 5 ) = 10.080 ALPHA ( 2 ) = 2.040 Q(PSF) = 42.910 PO/PSF = 2119.2 RUN NO = 74.000

SECTION ( 1 ) MAIN LND CR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |         |
|------|--------|--------|--------|---------|
| .050 | -.7094 | -.7749 | -.9733 | -1.0561 |
| .230 | -.8525 | -.6231 | -.5144 | -.5489  |
| .410 | -.5990 | -.1625 | -.1884 | -.4213  |
| .590 | -.4178 | -.1577 | -.1366 | -.1918  |
| .770 | -.3247 | -.1970 | -.1435 | -.1384  |
| .878 | -.2936 | -.2281 | -.1522 | -.1677  |

BETA ( 5 ) = 10.080 ALPHA ( 3 ) = 4.130 Q(PSF) = 42.910 PO/PSF = 2119.2 RUN NO = 74.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |         |         |
|------|--------|--------|---------|---------|
| .050 | -.7145 | -.7714 | -1.0095 | -1.0078 |
| .230 | -.5299 | -.7542 | -.4678  | -.5023  |
| .410 | -.4885 | -.2971 | -.2229  | -.3695  |
| .590 | -.3661 | -.1987 | -.1297  | -.1798  |
| .770 | -.2815 | -.2143 | -.1194  | -.1332  |
| .878 | -.2470 | -.2488 | -.1280  | -.1470  |



DATE 17 MAY '66

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

PAGE 842

0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM14)

BETA ( 5 ) = 10.080 ALPHA ( 4 ) = 6.160 Q(PSF) = 42.910 PO/PSF = 2119.2 RUN NO = 74.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5808 | -.6049 | -.5601 | -.5808 |
| .230 | -.7082 | -.6720 | -.6583 | -.7323 |
| .410 | -.7340 | -.4757 | -.5480 | -.5239 |
| .590 | -.5756 | -.2966 | -.1964 | -.2311 |
| .770 | -.3948 | -.2966 | -.0417 | -.0555 |
| .878 | -.2983 | -.3448 | -.0469 | -.0451 |

BETA ( 5 ) = 10.080 ALPHA ( 5 ) = 8.270 Q(PSF) = 42.910 PO/PSF = 2119.2 RUN NO = 74.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5460 | -.5718 | -.5391 | -.5443 |
| .230 | -.6355 | -.6303 | -.6303 | -.7044 |
| .410 | -.7061 | -.5804 | -.6080 | -.5666 |
| .590 | -.5856 | -.5185 | -.2310 | -.2981 |
| .770 | -.4152 | -.4978 | .0158  | -.0210 |
| .878 | -.3050 | -.4720 | .0168  | .0047  |

BETA ( 5 ) = 10.080 ALPHA ( 6 ) = 10.320 Q(PSF) = 42.910 PO/PSF = 2119.2 RUN NO = 74.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5408 | -.5494 | -.5287 | -.5356 |
| .230 | -.5839 | -.6012 | -.6047 | -.6703 |
| .410 | -.6444 | -.6029 | -.5960 | -.5684 |
| .590 | -.5442 | -.5719 | -.2835 | -.3111 |
| .770 | -.3940 | -.5391 | -.0556 | -.0504 |
| .878 | -.2973 | -.4838 | -.0090 | -.0055 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM15) ( 03 FEB 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.6100 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0405

## PARAMETRIC DATA

MACH = .170 ELEVON = .000  
 BDFLAP = .000 SPDBRK = 25.000  
 PHI-N = 60.000 THETAN = 35.000  
 PHI-M = 88.000 THETAM = 35.000

BETA ( 1 ) = -10.090 ALPHA ( 1 ) = .010 Q(PSF) = 42.948 PO/PSF = 2117.8 RUN NO = 75.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.1229 -.0487 .1376 .1083  
 .230 -.1453 -.0642 -.0677 -.1126  
 .410 -.2006 -.1039 -.1143 -.1609  
 .590 -.1523 -.1333 -.1350 -.1712  
 .770 -.1712 -.1557 -.1712 -.1971  
 .878 -.1902 -.1920 -.1902 -.2247

BETA ( 1 ) = -10.090 ALPHA ( 2 ) = 2.110 Q(PSF) = 42.948 PO/PSF = 2117.8 RUN NO = 75.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.0691 -.2650 -.0227 .1353  
 .230 -.0725 -.0089 -.0124 -.0519  
 .410 -.1275 -.0502 -.0605 -.1206  
 .590 -.0949 -.0794 -.0863 -.1172  
 .770 -.1189 -.1017 -.1189 -.1378  
 .878 -.1361 -.1396 -.1378 -.1705

BETA ( 1 ) = -10.080 ALPHA ( 3 ) = 4.100 Q(PSF) = 42.948 PO/PSF = 2117.8 RUN NO = 75.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.0935 -.3299 -.2851 .1686  
 .230 -.0055 .0444 .0427 .0030  
 .410 -.0625 -.0004 -.0055 -.0797  
 .590 -.0418 -.0297 -.0280 -.0556  
 .770 -.0659 -.0521 -.0642 -.0728  
 .878 -.0815 -.0884 -.0832 -.1125

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

PAGE 644

OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM15)

BETA ( 1 ) = -10.090    ALPHA ( 4 ) = 6.210    Q(PSF) = 42.948    PO/PSF = 2117.8    RUN NO = 75.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML    .0760    .3100    .5820    .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1366 | -.2919 | -.3350 | .1841  |
| .230 | .0513  | .10    | .1134  | .0340  |
| .410 | -.0004 | .0530  | .0547  | -.0090 |
| .590 | .0133  | .0237  | .0289  | .0013  |
| .770 | -.0142 | -.0021 | -.0073 | -.0090 |
| .878 | -.0349 | -.0383 | -.0297 | -.0521 |

BETA ( 1 ) = -10.090    ALPHA ( 5 ) = 8.280    Q(PSF) = 42.948    PO/PSF = 2117.8    RUN NO = 75.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML    .0760    .3100    .5820    .8530

X/CML

|      |        |        |        |       |
|------|--------|--------|--------|-------|
| .050 | -.1310 | -.2376 | -.2582 | .1096 |
| .230 | .0907  | .1457  | .1766  | .0305 |
| .410 | .0546  | .1130  | .1216  | .0735 |
| .590 | .0700  | .0803  | .0941  | .0759 |
| .770 | .0408  | .0494  | .0511  | .0460 |
| .878 | .0150  | .0116  | .0253  | .0047 |

BETA ( 1 ) = -10.080    ALPHA ( 6 ) = 10.350    Q(PSF) = 42.948    PO/PSF = 2117.8    RUN NO = 75.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML    .0760    .3100    .5820    .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1207 | -.2101 | -.1929 | -.2221 |
| .230 | .1251  | .1732  | .1629  | .0580  |
| .410 | .1130  | .1680  | .1817  | .1216  |
| .590 | .1199  | .1319  | .1526  | .1457  |
| .770 | .0941  | .1027  | .1079  | .1130  |
| .878 | .0666  | .0614  | .0769  | .0614  |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

PAGE 845

OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM15)

BETA ( 2 ) = -5.060 ALPHA ( 1 ) = .000 Q(PSF) = 42.932 PO/PSF = 2117.7 RUN NO = 76.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6070 | -.5520 | -.6723 | -.0107 |
| .230 | -.1052 | -.0760 | -.1069 | -.1447 |
| .410 | -.1653 | -.1344 | -.1671 | -.3217 |
| .590 | -.1447 | -.1602 | -.1894 | -.2582 |
| .770 | -.1568 | -.1671 | -.1877 | -.1894 |
| .878 | -.1688 | -.1860 | -.1825 | -.1894 |

BETA ( 2 ) = -5.060 ALPHA ( 2 ) = 2.060 Q(PSF) = 42.932 PO/PSF = 2117.7 RUN NO = 76.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5755 | -.4860 | -.5944 | -.0004 |
| .230 | -.0555 | -.0382 | -.0296 | -.1639 |
| .410 | -.1037 | -.0744 | -.0899 | -.1760 |
| .590 | -.0865 | -.1020 | -.1157 | -.1691 |
| .770 | -.1020 | -.1140 | -.1295 | -.1295 |
| .878 | -.1192 | -.1347 | -.1295 | -.1433 |

BETA ( 2 ) = -5.060 ALPHA ( 3 ) = 4.130 Q(PSF) = 42.932 PO/PSF = 2117.7 RUN NO = 76.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5360 | -.4327 | -.4999 | -.1037 |
| .230 | -.0159 | -.0279 | .0340  | -.1330 |
| .410 | -.0434 | -.0107 | -.0262 | -.1364 |
| .590 | -.0331 | -.0434 | -.0572 | -.1123 |
| .770 | -.0520 | -.0624 | -.0744 | -.0761 |
| .878 | -.0693 | -.0865 | -.0813 | -.0968 |

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OF POOR QUALITY

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM15)

BETA ( 2 ) = -5.060 ALPHA ( 4 ) = 6.190 Q(PSF) = 42.932 PO/PSF = 2117.7 RUN NO = 76.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4976 | -.4181 | -.4354 | -.4026 |
| .230 | -.0073 | -.0314 | -.0004 | -.0988 |
| .410 | -.0038 | .0392  | .0323  | -.1039 |
| .590 | .0151  | .0082  | .0099  | -.0090 |
| .770 | -.0038 | -.0142 | -.0159 | -.0038 |
| .878 | -.0280 | -.0435 | -.0297 | -.0418 |

BETA ( 2 ) = -5.060 ALPHA ( 5 ) = 8.250 Q(PSF) = 42.932 PO/PSF = 2117.7 RUN NO = 76.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4581 | -.3769 | -.3838 | -.5134 |
| .230 | -.0211 | -.0418 | -.0470 | -.1420 |
| .410 | -.0073 | .0945  | .0997  | -.0435 |
| .590 | .0358  | .0669  | .0807  | .0721  |
| .770 | .0237  | .0427  | .0496  | .0738  |
| .878 | .0047  | .0082  | .0272  | .0134  |

BETA ( 2 ) = -5.060 ALPHA ( 6 ) = 10.320 Q(PSF) = 42.932 PO/PSF = 2117.7 RUN NO = 76.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4149 | -.3254 | -.3667 | -.4837 |
| .230 | -.1173 | -.0623 | -.0726 | -.0915 |
| .410 | -.0244 | .1303  | .1423  | .0013  |
| .590 | .0425  | .1096  | .1320  | .1182  |
| .770 | .0460  | .0838  | .1010  | .1337  |
| .878 | .0288  | .0494  | .0718  | .0580  |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM15)

BETA ( 3 ) = .000 ALPHA ( 1 ) = .000 Q(PSF) = 42.905 P0/PSF = 2117.7 RUN NO = 77.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7430 | -.6034 | -.7016 | -.2698 |
| .230 | -.1210 | -.2037 | -.1192 | -.2554 |
| .410 | -.1296 | -.1192 | -.1572 | -.3174 |
| .590 | -.1192 | -.1537 | -.1882 | -.2847 |
| .770 | -.1348 | -.1606 | -.1916 | -.2002 |
| .878 | -.1503 | -.1727 | -.1796 | -.1985 |

BETA ( 3 ) = .000 ALPHA ( 2 ) = 2.050 Q(PSF) = 42.905 P0/PSF = 2117.7 RUN NO = 77.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7296 | -.5993 | -.6432 | -.5879 |
| .230 | -.1369 | -.2233 | -.1663 | -.2613 |
| .410 | -.1265 | -.0678 | -.0937 | -.2579 |
| .590 | -.0937 | -.0971 | -.1161 | -.1714 |
| .770 | -.1058 | -.1110 | -.1317 | -.1507 |
| .878 | -.1213 | -.1317 | -.1317 | -.1576 |

BETA ( 3 ) = .000 ALPHA ( 3 ) = 4.100 Q(PSF) = 42.905 P0/PSF = 2117.7 RUN NO = 77.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7006 | -.5782 | -.5920 | -.7265 |
| .230 | -.2160 | -.2487 | -.2401 | -.3298 |
| .410 | -.1694 | -.0245 | -.0418 | -.2142 |
| .590 | -.1038 | -.0504 | -.0538 | -.0969 |
| .770 | -.1004 | -.0711 | -.0745 | -.0849 |
| .878 | -.1159 | -.0952 | -.0849 | -.1159 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

PAGE 048

0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM15)

BETA ( 3 ) = .000 ALPHA ( 4 ) = 6.190 Q(PSF) = 42.905 PO/PSF = 2117.7 RUN NO = 77.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5886 | -.5073 | -.5868 | -.7149 |
| .230 | -.4156 | -.2581 | -.2443 | -.2806 |
| .410 | -.2062 | .0117  | .0099  | -.1630 |
| .590 | -.1024 | -.0038 | .0065  | -.0471 |
| .770 | -.0834 | -.0263 | -.0177 | -.0280 |
| .878 | -.0955 | -.0540 | -.0350 | -.0730 |

BETA ( 3 ) = .000 ALPHA ( 5 ) = 8.250 Q(PSF) = 42.905 PO/PSF = 2117.7 RUN NO = 77.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3492 | -.3871 | -.5091 | -.5933 |
| .230 | -.5039 | -.3355 | -.3389 | -.3389 |
| .410 | -.2633 | -.0124 | .0219  | -.1602 |
| .590 | -.1275 | .0442  | .0614  | .0150  |
| .770 | -.0863 | .0219  | .0356  | .0391  |
| .878 | -.0880 | -.0107 | .0099  | -.0210 |

BETA ( 3 ) = .000 ALPHA ( 6 ) = 10.310 Q(PSF) = 42.905 PO/PSF = 2117.7 RUN NO = 77.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3063 | -.3097 | -.3475 | -.3613 |
| .230 | -.4988 | -.3269 | -.3218 | -.4438 |
| .410 | -.3149 | -.0915 | -.1293 | -.1671 |
| .590 | -.1636 | .0580  | .0545  | .0150  |
| .770 | -.0943 | .0563  | .0820  | .0786  |
| .878 | -.0794 | .0219  | .0580  | .0425  |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM15)

BETA ( 4 ) = 5.050 ALPHA ( 1 ) = -.010 Q(PSF) = 42.870 PO/PSF = 2117.6 RUN NO = 78.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.9040 | -.7542 | -.7749 | -.8644 |
| .230 | -.4410 | -.3962 | -.3773 | -.4582 |
| .410 | -.3394 | -.1312 | -.1673 | -.3584 |
| .590 | -.2293 | -.1501 | -.1725 | -.2430 |
| .770 | -.2103 | -.1639 | -.1811 | -.2172 |
| .878 | -.2189 | -.1811 | -.1811 | -.2189 |

BETA ( 4 ) = 5.050 ALPHA ( 2 ) = 2.050 Q(PSF) = 42.870 PO/PSF = 2117.6 RUN NO = 78.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7966 | -.6829 | -.7794 | -.9138 |
| .230 | -.7380 | -.4140 | -.3899 | -.5053 |
| .410 | -.3778 | -.0986 | -.1193 | -.3209 |
| .590 | -.2399 | -.1107 | -.1176 | -.1934 |
| .770 | -.2072 | -.1262 | -.1296 | -.1589 |
| .878 | -.2124 | -.1486 | -.1382 | -.1710 |

BETA ( 4 ) = 5.050 ALPHA ( 3 ) = 4.120 Q(PSF) = 42.870 PO/PSF = 2117.6 RUN NO = 78.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5398 | -.5864 | -.7363 | -.8673 |
| .230 | -.7329 | -.5019 | -.4864 | -.4847 |
| .410 | -.4261 | -.1003 | -.0796 | -.3175 |
| .590 | -.2675 | -.0641 | -.0590 | -.1365 |
| .770 | -.2089 | -.0865 | -.0762 | -.0885 |
| .878 | -.1951 | -.1124 | -.0917 | -.1141 |



DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM15)

BETA ( 4 ) = 5.050 ALPHA ( 4 ) = 6.180 Q(PSF) = 42.870 PO/PSF = 2117.6 RUN NO = 78.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5347 | -.5883 | -.7525 | -.9012 |
| .230 | -.6246 | -.5053 | -.4534 | -.4551 |
| .410 | -.3963 | -.1283 | -.0816 | -.2943 |
| .590 | -.2597 | -.0730 | -.0298 | -.0920 |
| .770 | -.1992 | -.0955 | -.0401 | -.0470 |
| .878 | -.1819 | -.1318 | -.0574 | -.0799 |

BETA ( 4 ) = 5.050 ALPHA ( 5 ) = 8.250 Q(PSF) = 42.870 PO/PSF = 2117.6 RUN NO = 78.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5149 | -.5339 | -.6393 | -.7360 |
| .230 | -.4752 | -.4890 | -.4752 | -.5529 |
| .410 | -.3820 | -.2559 | -.1868 | -.2628 |
| .590 | -.2715 | -.1471 | -.0142 | -.0608 |
| .770 | -.2007 | -.1471 | .0013  | -.0211 |
| .878 | -.1713 | -.1765 | -.0142 | -.0435 |

BETA ( 4 ) = 5.050 ALPHA ( 6 ) = 10.310 Q(PSF) = 42.870 PO/PSF = 2117.6 RUN NO = 78.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4425 | -.4511 | -.4131 | -.4252 |
| .230 | -.5392 | -.4891 | -.4787 | -.5046 |
| .410 | -.4528 | -.2732 | -.3199 | -.3527 |
| .590 | -.3268 | -.1627 | -.0677 | -.1040 |
| .770 | -.2249 | -.1834 | .0237  | .0220  |
| .878 | -.1782 | -.2180 | .0116  | .0185  |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM15)

BETA ( 5 ) = 10.120 ALPHA ( 1 ) = .000 Q(PSF) = 42.875 PO/PSF = 2117.8 RUN NO = 79.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.8245 | -.8038 | -.9727 | -.9348 |
| .230 | -.9400 | -.4521 | -.3797 | -.5883 |
| .410 | -.5159 | -.1383 | -.1986 | -.3814 |
| .590 | -.3417 | -.1814 | -.1883 | -.2469 |
| .770 | -.2866 | -.2055 | -.1883 | -.2072 |
| .878 | -.2762 | -.2279 | -.1866 | -.2124 |

BETA ( 5 ) = 10.120 ALPHA ( 2 ) = 2.060 Q(PSF) = 42.875 PO/PSF = 2117.8 RUN NO = 79.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7304 | -.7908 | -.9982 | -.9305 |
| .230 | -.6993 | -.6251 | -.4663 | -.5388 |
| .410 | -.4732 | -.1867 | -.1971 | -.3835 |
| .590 | -.3352 | -.1885 | -.1574 | -.2213 |
| .770 | -.2817 | -.2161 | -.1557 | -.1729 |
| .878 | -.2679 | -.2368 | -.1626 | -.1764 |

BETA ( 5 ) = 10.120 ALPHA ( 3 ) = 4.130 Q(PSF) = 42.875 PO/PSF = 2117.8 RUN NO = 79.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |         |         |
|------|--------|--------|---------|---------|
| .050 | -.7173 | -.7983 | -1.0103 | -1.0534 |
| .230 | -.5708 | -.7656 | -.5364  | -.5536  |
| .410 | -.4915 | -.3399 | -.2054  | -.3778  |
| .590 | -.3519 | -.2227 | -.1365  | -.1779  |
| .770 | -.2899 | -.2279 | -.1262  | -.1382  |
| .878 | -.2606 | -.2640 | -.1365  | -.1451  |

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OF POOR QUALITY

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM15)

BETA ( 5 ) = 10.120 ALPHA ( 4 ) = 6.170 Q(PSF) = 42.875 PO/PSF = 2117.8 RUN NO = 79.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6454 | -.6626 | -.6057 | -.6057 |
| .230 | -.7454 | -.6885 | -.6902 | -.6971 |
| .410 | -.6626 | -.4315 | -.5281 | -.5574 |
| .590 | -.5160 | -.2987 | -.2004 | -.2470 |
| .770 | -.3884 | -.3315 | -.0711 | -.0797 |
| .878 | -.3108 | -.3677 | -.0711 | -.0607 |

BETA ( 5 ) = 10.120 ALPHA ( 5 ) = 8.240 Q(PSF) = 42.875 PO/PSF = 2117.8 RUN NO = 79.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5973 | -.6128 | -.5852 | -.5766 |
| .230 | -.6646 | -.6542 | -.6542 | -.6473 |
| .410 | -.6715 | -.5162 | -.5921 | -.6145 |
| .590 | -.5490 | -.4955 | -.2471 | -.3178 |
| .770 | -.4161 | -.4903 | -.0211 | -.0538 |
| .878 | -.3143 | -.4834 | -.0090 | -.0107 |

BETA ( 5 ) = 10.120 ALPHA ( 6 ) = 10.370 Q(PSF) = 42.875 PO/PSF = 2117.8 RUN NO = 79.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5722 | -.5843 | -.5618 | -.5549 |
| .230 | -.6102 | -.6275 | -.6292 | -.6430 |
| .410 | -.6257 | -.5463 | -.5584 | -.5984 |
| .590 | -.5135 | -.5739 | -.2733 | -.3303 |
| .770 | -.4029 | -.5359 | -.0522 | -.0556 |
| .878 | -.3131 | -.4996 | -.0176 | -.0021 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM16) ( 03 FEB 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0405

## PARAMETRIC DATA

MACH = .170 ELEVON = .000  
 BDFLAP = .000 SPDBRK = 25.000  
 PHI-N = 66.000 THETAN = 50.000  
 PHI-M = 88.000 THETAM = 50.000

BETA ( 1 ) = -10.110 ALPHA ( 1 ) = .010 Q(PSF) = 42.897 PO/PSF = 2117.1 RUN NO = 80.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.1314 -.1918 .0513 .1030  
 .230 -.0883 -.0556 -.0728 -.1470  
 .410 -.1608 -.1107 -.1211 -.1884  
 .590 -.1539 -.1470 -.1418 -.1659  
 .770 -.1866 -.1728 -.1815 -.1935  
 .878 -.2194 -.2108 -.1987 -.2194

BETA ( 1 ) = -10.110 ALPHA ( 2 ) = 2.060 Q(PSF) = 42.897 PO/PSF = 2117.1 RUN NO = 80.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.1125 -.2920 -.1729 .1273  
 .230 -.0228 -.0004 -.0159 -.0832  
 .410 -.1005 -.0573 -.0659 -.1367  
 .590 -.1005 -.0918 -.0867 -.1108  
 .770 -.1298 -.1177 -.1281 -.1402  
 .878 -.1574 -.1574 -.1453 -.1764

BETA ( 1 ) = -10.110 ALPHA ( 3 ) = 4.110 Q(PSF) = 42.897 PO/PSF = 2117.1 RUN NO = 80.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.0693 -.3053 -.3277 .1494  
 .230 .0357 .0564 .0461 -.0124  
 .410 -.0469 -.0021 -.0107 -.0900  
 .590 -.0469 -.0400 -.0314 -.0555  
 .770 -.0762 -.0658 -.0693 -.0813  
 .878 -.0986 -.1055 -.0934 -.1227

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

PAGE 634

0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFH16)

BETA ( 1 ) = -10.110    ALPHA ( 4 ) = 6.180    Q(PSF) = 42.897    PO/PSF = 2117.1    RUN NO = 80.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML    .0760    .3100    .5820    .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0573 | -.2643 | -.2832 | .2063  |
| .230 | .0892  | .1117  | .1134  | .0444  |
| .410 | -.0073 | .0530  | .0565  | -.0038 |
| .590 | -.0038 | .0185  | .0254  | .0064  |
| .770 | -.0193 | -.0073 | -.0124 | -.0159 |
| .878 | -.0383 | -.0435 | -.0331 | -.0556 |

BETA ( 1 ) = -10.110    ALPHA ( 5 ) = 8.260    Q(PSF) = 42.897    PO/PSF = 2117.1    RUN NO = 80.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML    .0760    .3100    .5820    .8530

X/CML

|      |       |        |        |        |
|------|-------|--------|--------|--------|
| .050 | .0168 | -.2141 | -.2158 | .1357  |
| .230 | .1202 | .1615  | .1770  | .0685  |
| .410 | .0426 | .1081  | .1219  | .0805  |
| .590 | .0512 | .0737  | .0909  | .0857  |
| .770 | .0357 | .0444  | .0444  | .0357  |
| .878 | .0116 | .0047  | .0151  | -.0073 |

BETA ( 1 ) = -10.110    ALPHA ( 6 ) = 10.370    Q(PSF) = 42.897    PO/PSF = 2117.1    RUN NO = 80.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML    .0760    .3100    .5820    .8530

X/CML

|      |       |        |        |        |
|------|-------|--------|--------|--------|
| .050 | .0357 | -.1900 | -.1624 | -.1710 |
| .230 | .1357 | .1925  | .1805  | .0788  |
| .410 | .0909 | .1598  | .1788  | .1305  |
| .590 | .1030 | .1219  | .1409  | .1461  |
| .770 | .0840 | .0892  | .0978  | .1012  |
| .878 | .0599 | .0513  | .0668  | .0409  |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

PAGE 855

OA163 DRB

MAIN GEAR DOOR OUTER SURFACE

(RFFM16)

BETA ( 2 ) = -5.060 ALPHA ( 1 ) = .000 Q(PSF) = 42.948 PO/PSF = 2117.0 RUN NO = 81.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5780 | -.5194 | -.6091 | .0030  |
| .230 | -.0607 | -.0642 | -.0986 | -.1400 |
| .410 | -.1814 | -.1400 | -.1487 | -.2487 |
| .590 | -.1607 | -.1711 | -.1900 | -.2831 |
| .770 | -.1590 | -.1745 | -.1969 | -.2004 |
| .878 | -.1728 | -.1935 | -.1918 | -.2004 |

BETA ( 2 ) = -5.060 ALPHA ( 2 ) = 2.050 Q(PSF) = 42.948 PO/PSF = 2117.0 RUN NO = 81.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5032 | -.4481 | -.5480 | .0237  |
| .230 | -.0210 | -.0245 | -.0210 | -.1226 |
| .410 | -.1244 | -.1779 | -.0882 | -.1795 |
| .590 | -.1071 | -.1089 | -.1226 | -.1846 |
| .770 | -.1089 | -.1209 | -.1433 | -.1588 |
| .878 | -.1244 | -.1381 | -.1433 | -.1657 |

BETA ( 2 ) = -5.060 ALPHA ( 3 ) = 4.130 Q(PSF) = 42.948 PO/PSF = 2117.0 RUN NO = 81.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4518 | -.4070 | -.4569 | -.0434 |
| .230 | -.0072 | -.0141 | .0426  | -.0986 |
| .410 | -.0762 | -.0210 | -.0228 | -.1227 |
| .590 | -.0572 | -.0572 | -.0658 | -.1106 |
| .770 | -.0624 | -.0727 | -.0934 | -.1158 |
| .878 | -.0779 | -.0968 | -.0986 | -.1244 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

PAGE 020

0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM16)

BETA ( 2 ) = -5.060 ALPHA ( 4 ) = 6.180 Q(PSF) = 42.948 PO/PSF = 2117.0 RUN NO = 81.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4186 | -.3893 | -.3980 | -.3618 |
| .230 | -.0072 | -.0090 | .0185  | -.0640 |
| .410 | -.0761 | .0374  | .0374  | -.0726 |
| .590 | .0099  | -.0004 | .0030  | -.0210 |
| .770 | -.0072 | -.0245 | -.0331 | -.0485 |
| .878 | -.0313 | -.0520 | -.0503 | -.0830 |

BETA ( 2 ) = -5.070 ALPHA ( 5 ) = 8.250 Q(PSF) = 42.948 PO/PSF = 2117.0 RUN NO = 81.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4409 | -.3583 | -.3600 | -.4753 |
| .230 | -.0503 | -.0227 | -.0262 | -.0933 |
| .410 | -.1105 | .0839  | .0959  | -.0262 |
| .590 | .0047  | .0495  | .0649  | .0460  |
| .770 | .0202  | .0236  | .0254  | .0219  |
| .878 | -.0004 | -.0072 | -.0004 | -.0434 |

BETA ( 2 ) = -5.070 ALPHA ( 6 ) = 10.330 Q(PSF) = 42.948 PO/PSF = 2117.0 RUN NO = 81.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4187 | -.3137 | -.3429 | -.4789 |
| .230 | -.1949 | -.0382 | -.0382 | -.0692 |
| .410 | -.1002 | .1269  | .1407  | .0219  |
| .590 | .0099  | .0977  | .1200  | .0994  |
| .770 | .0374  | .0701  | .0805  | .0787  |
| .878 | .0219  | .0340  | .0529  | .0013  |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

PAGE 957

OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM16)

BETA ( 3 ) = .000 ALPHA ( 1 ) = .000 Q(PSF) = 42.935 PO/PSF = 2117.0 RUN NO = 82.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7388 | -.5921 | -.6663 | -.2298 |
| .230 | -.1229 | -.1884 | -.1090 | -.2291 |
| .410 | -.2039 | -.1315 | -.1591 | -.3126 |
| .590 | -.1384 | -.1660 | -.1988 | -.2850 |
| .770 | -.1384 | -.1781 | -.2177 | -.2626 |
| .878 | -.1539 | -.1884 | -.2057 | -.2402 |

BETA ( 3 ) = .000 ALPHA ( 2 ) = 2.060 Q(PSF) = 42.935 PO/PSF = 2117.0 RUN NO = 82.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6902 | -.5850 | -.6109 | -.5247 |
| .230 | -.1780 | -.2004 | -.1418 | -.2263 |
| .410 | -.2315 | -.0780 | -.1021 | -.2522 |
| .590 | -.1056 | -.1125 | -.1297 | -.1849 |
| .770 | -.1021 | -.1280 | -.1556 | -.2056 |
| .878 | -.1211 | -.1470 | -.1608 | -.2108 |

BETA ( 3 ) = .000 ALPHA ( 3 ) = 4.120 Q(PSF) = 42.935 PO/PSF = 2117.0 RUN NO = 82.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6865 | -.5713 | -.5713 | -.6883 |
| .230 | -.3013 | -.2136 | -.2067 | -.2962 |
| .410 | -.3185 | -.0365 | -.0451 | -.2084 |
| .590 | -.1345 | -.0657 | -.0709 | -.1225 |
| .770 | -.1001 | -.0829 | -.0984 | -.1465 |
| .878 | -.1053 | -.1087 | -.1121 | -.1758 |

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OF POOR QUALITY



DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

PAGE 858

0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM16)

BETA ( 3 ) = .000 ALPHA ( 4 ) = 6.190 Q(PSF) = 42.935 PO/PSF = 2117.0 RUN NO = 82.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6161 | -.5232 | -.5748 | -.7124 |
| .230 | -.5868 | -.2291 | -.2119 | -.3185 |
| .410 | -.3099 | .0064  | .0013  | -.1637 |
| .590 | -.1208 | -.0158 | -.0141 | -.0640 |
| .770 | -.0606 | -.0382 | -.0399 | -.0760 |
| .878 | -.0743 | -.0657 | -.0588 | -.1139 |

BETA ( 3 ) = .000 ALPHA ( 5 ) = 8.250 Q(PSF) = 42.935 PO/PSF = 2117.0 RUN NO = 82.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3690 | -.4138 | -.5550 | -.6739 |
| .230 | -.7514 | -.3190 | -.3139 | -.3208 |
| .410 | -.3363 | .0116  | .0547  | -.1502 |
| .590 | -.1054 | .0323  | .0581  | .0047  |
| .770 | -.0486 | .0064  | .0219  | .0116  |
| .878 | -.0589 | -.0245 | -.0021 | -.0486 |

BETA ( 3 ) = .010 ALPHA ( 6 ) = 10.340 Q(PSF) = 42.935 PO/PSF = 2117.0 RUN NO = 82.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3279 | -.3658 | -.4089 | -.4348 |
| .230 | -.6761 | -.3279 | -.3124 | -.5020 |
| .410 | -.3434 | -.0521 | -.0314 | -.1521 |
| .590 | -.1003 | .0495  | .0737  | .0582  |
| .770 | -.0383 | .0375  | .0702  | .0719  |
| .878 | -.0417 | -.0021 | .0392  | .0151  |

DATE 17 MAY 76

## TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

PAGE 859

OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM16)

BETA ( 4 ) = 5.050 ALPHA ( 1 ) = .000 Q(PSF) = 42.917 PO/PSF = 2117.0 RUN NO = 83.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.9144 | -.7747 | -.7626 | -.8247 |
| .230 | -.5954 | -.3729 | -.3905 | -.4557 |
| .410 | -.5022 | -.1452 | -.1849 | -.3729 |
| .590 | -.2280 | -.1676 | -.1935 | -.2642 |
| .770 | -.1745 | -.1745 | -.2073 | -.2573 |
| .878 | -.1832 | -.1935 | -.2056 | -.2573 |

BETA ( 4 ) = 5.050 ALPHA ( 2 ) = 2.090 Q(PSF) = 42.917 PO/PSF = 2117.0 RUN NO = 83.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.8298 | -.7296 | -.7797 | -.9197 |
| .230 | -.9543 | -.3944 | -.3719 | -.5620 |
| .410 | -.4911 | -.1092 | -.1386 | -.3322 |
| .590 | -.2302 | -.1248 | -.1369 | -.2025 |
| .770 | -.1559 | -.1352 | -.1507 | -.1974 |
| .878 | -.1697 | -.1576 | -.1593 | -.2008 |

BETA ( 4 ) = 5.050 ALPHA ( 3 ) = 4.140 Q(PSF) = 42.917 PO/PSF = 2117.0 RUN NO = 83.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |         |        |        |        |
|------|---------|--------|--------|--------|
| .050 | -.5650  | -.6098 | -.7991 | -.9248 |
| .230 | -1.0023 | -.5013 | -.4428 | -.5306 |
| .410 | -.5340  | -.0795 | -.0744 | -.3188 |
| .590 | -.2345  | -.0709 | -.0709 | -.1312 |
| .770 | -.1467  | -.0933 | -.0933 | -.1140 |
| .878 | -.1467  | -.1209 | -.1054 | -.1398 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

PAGE 880

0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM16)

BETA ( 4 ) = 5.050 ALPHA ( 4 ) = 6.200 Q(PSF) = 42.917 PO/PSF = 2117.0 RUN NO = 83.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5415 | -.6174 | -.7759 | -.9345 |
| .230 | -.8000 | -.5088 | -.4554 | -.5019 |
| .410 | -.4881 | -.1176 | -.0658 | -.3020 |
| .590 | -.2227 | -.0727 | -.0314 | -.0814 |
| .770 | -.1417 | -.0883 | -.0469 | -.0572 |
| .878 | -.1382 | -.1193 | -.0693 | -.0951 |

BETA ( 4 ) = 5.050 ALPHA ( 5 ) = 8.280 Q(PSF) = 42.917 PO/PSF = 2117.0 RUN NO = 83.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5189 | -.5877 | -.7359 | -.8220 |
| .230 | -.6308 | -.5068 | -.4775 | -.5395 |
| .410 | -.4465 | -.2157 | -.0917 | -.2587 |
| .590 | -.2260 | -.1175 | -.0090 | -.0400 |
| .770 | -.1416 | -.1175 | -.0141 | -.0193 |
| .878 | -.1347 | -.1485 | -.0296 | -.0606 |

BETA ( 4 ) = 5.050 ALPHA ( 6 ) = 10.330 Q(PSF) = 42.917 PO/PSF = 2117.0 RUN NO = 83.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4840 | -.4977 | -.4669 | -.4702 |
| .230 | -.6612 | -.5081 | -.5184 | -.5373 |
| .410 | -.4547 | -.2379 | -.2981 | -.3635 |
| .590 | -.2361 | -.1587 | -.0589 | -.0899 |
| .770 | -.1518 | -.1673 | .0030  | .0081  |
| .878 | -.1380 | -.2017 | -.0038 | .0030  |

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## TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM16)

BETA ( 5 ) = 10.110 ALPHA ( 1 ) = .030 Q(PSF) = 42.903 PO/PSF = 2117.1 RUN NO = 84.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |         |        |        |        |
|------|---------|--------|--------|--------|
| .050 | -.8637  | -.8345 | -.9789 | -.9480 |
| .230 | -1.2421 | -.4320 | -.3615 | -.6246 |
| .410 | -.6694  | -.1603 | -.2085 | -.3925 |
| .590 | -.3013  | -.1861 | -.1981 | -.2532 |
| .770 | -.2102  | -.2016 | -.2016 | -.2308 |
| .878 | -.2171  | -.2205 | -.2033 | -.2360 |

BETA ( 5 ) = 10.110 ALPHA ( 2 ) = 2.060 Q(PSF) = 42.903 PO/PSF = 2117.1 RUN NO = 84.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |         |        |
|------|--------|--------|---------|--------|
| .050 | -.7575 | -.8282 | -1.0285 | -.8661 |
| .230 | -.9282 | -.5195 | -.3798  | -.5971 |
| .410 | -.6333 | -.1694 | -.2004  | -.3677 |
| .590 | -.3004 | -.1883 | -.1728  | -.2159 |
| .770 | -.2021 | -.1987 | -.1728  | -.1936 |
| .878 | -.2073 | -.2211 | -.1780  | -.2004 |

BETA ( 5 ) = 10.110 ALPHA ( 3 ) = 4.130 Q(PSF) = 42.903 PO/PSF = 2117.1 RUN NO = 84.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |         |        |
|------|--------|--------|---------|--------|
| .050 | -.7283 | -.8318 | -1.0629 | -.9025 |
| .230 | -.8662 | -.7386 | -.4420  | -.5575 |
| .410 | -.5523 | -.2608 | -.1953  | -.3471 |
| .590 | -.2953 | -.1953 | -.1539  | -.1849 |
| .770 | -.1918 | -.1970 | -.1504  | -.1608 |
| .878 | -.1936 | -.2263 | -.1556  | -.1625 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM16)

BETA ( 5 ) = 10.110 ALPHA ( 4 ) = 6.210 Q(PSF) = 42.903 PO/PSF = 2117.1 RUN NO = 84.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6891 | -.7375 | -.8272 | -.8756 |
| .230 | -.6546 | -.7185 | -.8521 | -.7461 |
| .410 | -.5890 | -.4733 | -.7094 | -.4319 |
| .590 | -.3525 | -.3232 | -.1385 | -.1626 |
| .770 | -.2386 | -.2662 | -.0953 | -.1143 |
| .878 | -.2196 | -.3076 | -.1039 | -.1108 |

BETA ( 5 ) = 10.110 ALPHA ( 5 ) = 8.260 Q(PSF) = 42.903 PO/PSF = 2117.1 RUN NO = 84.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6355 | -.6510 | -.6234 | -.6131 |
| .230 | -.7304 | -.6735 | -.6786 | -.6259 |
| .410 | -.6269 | -.4646 | -.5544 | -.6010 |
| .590 | -.4146 | -.3973 | -.2489 | -.3145 |
| .770 | -.3145 | -.3697 | -.0815 | -.0849 |
| .878 | -.2800 | -.3749 | -.0728 | -.0521 |

BETA ( 5 ) = 10.110 ALPHA ( 6 ) = 10.340 Q(PSF) = 42.903 PO/PSF = 2117.1 RUN NO = 84.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5912 | -.6033 | -.5774 | -.5671 |
| .230 | -.6446 | -.6377 | -.6325 | -.5912 |
| .410 | -.6998 | -.4879 | -.5395 | -.5860 |
| .590 | -.4310 | -.4586 | -.2898 | -.3397 |
| .770 | -.3483 | -.4155 | -.1054 | -.1037 |
| .878 | -.2984 | -.3983 | -.0658 | -.0434 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM17) ( 03 FEB 76 )

## REFERENCE DATA

## PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0405

MACH = .170 ELEVON = .000  
 BDFLAP = .000 SPDBRK = 25.000  
 PHI-N = 66.000 THETAN = 65.000  
 PHI-M = 68.000 THETAM = 65.000

BETA ( 1 ) = -10.110 ALPHA ( 1 ) = .010 Q(PSF) = 42.940 PO/PSF = 2117.2 RUN NO = 85.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .1760 .3100 .5820 .8530

X/CML

.050 -.1246 -.1177 .1048 .1065  
 .230 -.0797 -.0504 -.0676 -.1453  
 .410 -.1504 -.1056 -.1177 -.1815  
 .590 -.1884 -.1504 -.1418 -.1556  
 .770 -.2039 -.1729 -.1798 -.1970  
 .878 -.2143 -.2074 -.1970 -.2194

BETA ( 1 ) = -10.100 ALPHA ( 2 ) = 2.110 Q(PSF) = 42.940 PO/PSF = 2117.2 RUN NO = 85.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.0832 -.2782 -.1367 .1341  
 .230 -.0176 .0047 -.0090 -.0815  
 .410 -.0849 -.0539 -.0608 -.1281  
 .590 -.1281 -.0953 -.0866 -.1039  
 .770 -.1488 -.1229 -.1281 -.1436  
 .878 -.1608 -.1591 -.1505 -.1747

BETA ( 1 ) = -10.100 ALPHA ( 3 ) = 4.170 Q(PSF) = 42.940 PO/PSF = 2117.2 RUN NO = 85.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.0988 -.2594 -.1420 .1911  
 .230 .0479 .0617 .0548 .0099  
 .410 -.0159 .0082 .0047 -.0504  
 .590 -.0746 -.0401 -.0332 -.0470  
 .770 -.0971 -.0677 -.0746 -.0850  
 .878 -.1074 -.1074 -.0971 -.1247

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

PAGE 854

OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM17)

BETA ( 1 ) = -10.100    ALPHA ( 4 ) = 6.230    Q(PSF) = 42.940    PO/PSF = 2117.2    RUN NO = 85.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML    .0760    .3100    .5820    .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0690 | -.2579 | -.2699 | .2157  |
| .230 | .1043  | .1180  | .1163  | .0511  |
| .410 | .0425  | .0614  | .0579  | .0064  |
| .590 | -.0261 | .0081  | .0201  | .0081  |
| .770 | -.0467 | -.0210 | -.0261 | -.0278 |
| .878 | -.0605 | -.0622 | -.0519 | -.0759 |

BETA ( 1 ) = -10.100    ALPHA ( 5 ) = 8.300    Q(PSF) = 42.940    PO/PSF = 2117.2    RUN NO = 85.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML    .0760    .3100    .5820    .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0227 | -.2032 | -.2136 | .1680  |
| .230 | .1508  | .1715  | .1852  | .0821  |
| .410 | .0889  | .1165  | .1268  | .0993  |
| .590 | .0288  | .0632  | .0821  | .0804  |
| .770 | .0081  | .0288  | .0271  | .0236  |
| .878 | -.0090 | -.0124 | -.0038 | -.0330 |

BETA ( 1 ) = -10.110    ALPHA ( 6 ) = 10.360    Q(PSF) = 42.940    PO/PSF = 2117.2    RUN NO = 85.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML    .0760    .3100    .5820    .8530

X/CML

|      |       |        |        |        |
|------|-------|--------|--------|--------|
| .050 | .0064 | -.1673 | -.1466 | -.1105 |
| .230 | .1750 | .2076  | .1973  | .1062  |
| .410 | .1183 | .1682  | .1819  | .1355  |
| .590 | .0735 | .1114  | .1372  | .1441  |
| .770 | .0580 | .0753  | .0821  | .0839  |
| .878 | .0374 | .0322  | .0460  | .0150  |

DATE 17 MAY 76

## TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

PAGE 865

OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM17)

BETA ( 2 ) = -5.060 ALPHA ( 1 ) = .010 Q(PSF) = 42.932 PO/PSF = 2117.0 RUN NO = 86.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5395 | -.5172 | -.5721 | .0133  |
| .230 | -.0364 | -.0519 | -.0879 | -.1566 |
| .410 | -.1205 | -.1223 | -.1377 | -.1824 |
| .590 | -.1892 | -.1789 | -.1892 | -.2785 |
| .770 | -.1909 | -.1944 | -.2219 | -.2613 |
| .878 | -.1944 | -.2116 | -.2201 | -.2425 |

BETA ( 2 ) = -5.060 ALPHA ( 2 ) = 2.120 Q(PSF) = 42.932 PO/PSF = 2117.0 RUN NO = 86.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4736 | -.4340 | -.5356 | .0357  |
| .230 | .0116  | -.0038 | -.0072 | -.1019 |
| .410 | -.0761 | -.0675 | -.0744 | -.1380 |
| .590 | -.1390 | -.1225 | -.1277 | -.1931 |
| .770 | -.1399 | -.1449 | -.1656 | -.2052 |
| .878 | -.1484 | -.1638 | -.1725 | -.1993 |

BETA ( 2 ) = -5.060 ALPHA ( 3 ) = 4.150 Q(PSF) = 42.932 PO/PSF = 2117.0 RUN NO = 86.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4092 | -.3937 | -.4437 | -.0073 |
| .230 | .0409  | .0133  | .0582  | -.0728 |
| .410 | -.0487 | -.0075 | -.0159 | -.1159 |
| .590 | -.0849 | -.0676 | -.0694 | -.1177 |
| .770 | -.0901 | -.0952 | -.1159 | -.1556 |
| .878 | -.1056 | -.1211 | -.1280 | -.1625 |



DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

PAGE 868

0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM17)

BETA ( 2 ) = -5.060 ALPHA ( 4 ) = 6.210 Q(PSF) = 42.932 PO/PSF = 2117.0 RUN NO = 86.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3920 | -.3731 | -.3851 | -.3178 |
| .230 | .0444  | .0082  | .0375  | -.0418 |
| .410 | -.1073 | .0375  | .0392  | -.0642 |
| .590 | -.0625 | -.0176 | -.0090 | -.0383 |
| .770 | -.0331 | -.0504 | -.0642 | -.1073 |
| .878 | -.0556 | -.0849 | -.0866 | -.1436 |

BETA ( 2 ) = -5.060 ALPHA ( 5 ) = 8.270 Q(PSF) = 42.932 PO/PSF = 2117.0 RUN NO = 86.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3989 | -.3402 | -.3420 | -.4541 |
| .230 | .0202  | .0030  | -.0073 | -.0832 |
| .410 | -.1574 | .0841  | .0979  | -.0176 |
| .590 | -.0901 | .0340  | .0530  | .0289  |
| .770 | -.0504 | .0013  | -.0021 | -.0349 |
| .878 | -.0573 | -.0383 | -.0331 | -.0970 |

BETA ( 2 ) = -5.060 ALPHA ( 6 ) = 10.350 Q(PSF) = 42.932 PO/PSF = 2117.0 RUN NO = 86.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4036 | -.2968 | -.3312 | -.4674 |
| .230 | -.1210 | -.0176 | -.0262 | -.0796 |
| .410 | -.1692 | .1271  | .1426  | .0271  |
| .590 | -.0779 | .0805  | .1064  | .0874  |
| .770 | -.0245 | .0478  | .0564  | .0323  |
| .878 | -.0279 | .0064  | .0219  | -.0452 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM17)

BETA ( 3 ) = .000 ALPHA ( 1 ) = .000 Q(PSF) = 42.885 PO/PSF = 2117.0 RUN NO = 87.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7315 | -.5715 | -.6524 | -.1982 |
| .230 | -.0589 | -.1569 | -.0915 | -.2068 |
| .410 | -.2223 | -.1242 | -.1552 | -.3135 |
| .590 | -.2120 | -.1844 | -.2068 | -.2980 |
| .770 | -.1741 | -.1999 | -.2412 | -.3066 |
| .878 | -.1827 | -.2171 | -.2361 | -.2739 |

BETA ( 3 ) = .000 ALPHA ( 2 ) = 2.080 Q(PSF) = 42.885 PO/PSF = 2117.0 RUN NO = 87.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6971 | -.5727 | -.5986 | -.4949 |
| .230 | -.0937 | -.1819 | -.1283 | -.2234 |
| .410 | -.3202 | -.0834 | -.1076 | -.2632 |
| .590 | -.2390 | -.1387 | -.1491 | -.2096 |
| .770 | -.1646 | -.1594 | -.1888 | -.2580 |
| .878 | -.1681 | -.1836 | -.2009 | -.2580 |

BETA ( 3 ) = .000 ALPHA ( 3 ) = 4.140 Q(PSF) = 42.885 PO/PSF = 2117.0 RUN NO = 87.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6633 | -.5597 | -.5546 | -.6737 |
| .230 | -.2110 | -.1920 | -.1920 | -.2921 |
| .410 | -.3888 | -.0418 | -.0504 | -.2144 |
| .590 | -.2939 | -.0936 | -.0919 | -.1419 |
| .770 | -.1937 | -.1143 | -.1333 | -.1955 |
| .878 | -.1765 | -.1419 | -.1523 | -.2179 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM17)

BETA ( 3 ) = .000 ALPHA ( 4 ) = 6.180 Q(PSF) = 42.885 PO/PSF = 2117.0 RUN NO = 87.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6282 | -.5212 | -.5574 | -.6954 |
| .230 | -.4850 | -.2073 | -.2022 | -.3505 |
| .410 | -.4212 | -.0055 | -.0021 | -.1694 |
| .590 | -.3056 | -.0486 | -.0314 | -.0762 |
| .770 | -.1815 | -.0693 | -.0711 | -.1176 |
| .878 | -.1487 | -.1004 | -.0935 | -.1487 |

BETA ( 3 ) = .000 ALPHA ( 5 ) = 8.290 Q(PSF) = 42.885 PO/PSF = 2117.0 RUN NO = 87.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3746 | -.4142 | -.5539 | -.6694 |
| .230 | -.7953 | -.3090 | -.2849 | -.3452 |
| .410 | -.5194 | .0185  | .0444  | -.1487 |
| .590 | -.3039 | .0064  | .0289  | -.0021 |
| .770 | -.1418 | -.0211 | -.0124 | -.0331 |
| .878 | -.1021 | -.0555 | -.0435 | -.0866 |

BETA ( 3 ) = .000 ALPHA ( 6 ) = 10.320 Q(PSF) = 42.885 PO/PSF = 2117.0 RUN NO = 87.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3398 | -.3760 | -.4294 | -.4569 |
| .230 | -.7774 | -.3191 | -.2933 | -.4897 |
| .410 | -.5503 | -.0434 | -.0159 | -.1451 |
| .590 | -.3070 | .0219  | .0564  | .0512  |
| .770 | -.1210 | .0150  | .0357  | .0392  |
| .878 | -.0779 | -.0245 | .0013  | -.0228 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM17)

BETA ( 4 ) = 5.050 ALPHA ( 1 ) = .000 Q(PSF) = 42.983 PO/PSF = 2117.1 RUN NO = 88.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.8920 | -.7595 | -.7354 | -.8111 |
| .230 | -.4892 | -.3584 | -.3446 | -.4651 |
| .410 | -.5908 | -.1639 | -.1986 | -.3928 |
| .590 | -.4806 | -.2086 | -.2224 | -.2878 |
| .770 | -.2947 | -.2138 | -.2465 | -.3085 |
| .878 | -.2568 | -.2345 | -.2534 | -.3050 |

BETA ( 4 ) = 5.050 ALPHA ( 2 ) = 2.090 Q(PSF) = 42.983 PO/PSF = 2117.1 RUN NO = 88.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.8448 | -.7296 | -.7657 | -.8999 |
| .230 | -.8483 | -.3684 | -.3615 | -.6041 |
| .410 | -.6181 | -.1294 | -.1483 | -.3443 |
| .590 | -.5095 | -.1638 | -.1620 | -.2171 |
| .770 | -.3013 | -.1672 | -.1861 | -.2343 |
| .878 | -.2377 | -.1930 | -.2016 | -.2394 |

BETA ( 4 ) = 5.060 ALPHA ( 3 ) = 4.130 Q(PSF) = 42.983 PO/PSF = 2117.1 RUN NO = 88.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |         |        |        |        |
|------|---------|--------|--------|--------|
| .050 | -.5944  | -.6186 | -.8206 | -.9380 |
| .230 | -1.2074 | -.4718 | -.4096 | -.5719 |
| .410 | -.7446  | -.0919 | -.0988 | -.3181 |
| .590 | -.5564  | -.1195 | -.1143 | -.1505 |
| .770 | -.2974  | -.1299 | -.1402 | -.1644 |
| .878 | -.2076  | -.1592 | -.1575 | -.1920 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM17)

BETA ( 4 ) = 5.060 ALPHA ( 4 ) = 6.180 Q(PSF) = 42.983 PO/PSF = 2117.1 RUN NO = 88.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5388 | -.6248 | -.7813 | -.9206 |
| .230 | -.9843 | -.5095 | -.4596 | -.5370 |
| .410 | -.7253 | -.1001 | -.0692 | -.2928 |
| .590 | -.5680 | -.1104 | -.0640 | -.0932 |
| .770 | -.2979 | -.1104 | -.0898 | -.0950 |
| .878 | -.1930 | -.1328 | -.1070 | -.1294 |

BETA ( 4 ) = 5.060 ALPHA ( 5 ) = 8.260 Q(PSF) = 42.983 PO/PSF = 2117.1 RUN NO = 88.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5379 | -.5965 | -.6757 | -.7153 |
| .230 | -.8825 | -.5224 | -.4879 | -.6499 |
| .410 | -.7136 | -.1537 | -.1123 | -.2812 |
| .590 | -.5465 | -.1158 | -.0365 | -.0452 |
| .770 | -.2829 | -.1158 | -.0417 | -.0348 |
| .878 | -.1795 | -.1382 | -.0607 | -.0795 |

BETA ( 4 ) = 5.060 ALPHA ( 6 ) = 10.370 Q(PSF) = 42.983 PO/PSF = 2117.1 RUN NO = 88.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5213 | -.5247 | -.5264 | -.5144 |
| .230 | -.8588 | -.5264 | -.5624 | -.5350 |
| .410 | -.7389 | -.2282 | -.3208 | -.4082 |
| .590 | -.5401 | -.1477 | -.0689 | -.0997 |
| .770 | -.2694 | -.1548 | -.0141 | .0184  |
| .878 | -.1683 | -.1837 | -.0278 | -.0021 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM17)

BETA ( 5 ) = 10.120 ALPHA ( 1 ) = .010 Q(PSF) = 42.933 PO/PSF = 2117.1 RUN NO = 89.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |         |        |        |        |
|------|---------|--------|--------|--------|
| .050 | -.9723  | -.8708 | -.9396 | -.9585 |
| .230 | -1.2871 | -.3960 | -.3582 | -.6403 |
| .410 | -.7865  | -.1965 | -.2257 | -.4098 |
| .590 | -.6643  | -.2446 | -.2326 | -.2704 |
| .770 | -.3496  | -.2326 | -.2429 | -.2756 |
| .878 | -.2876  | -.2446 | -.2446 | -.2756 |

BETA ( 5 ) = 10.120 ALPHA ( 2 ) = 2.050 Q(PSF) = 42.933 PO/PSF = 2117.1 RUN NO = 89.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |         |        |         |        |
|------|---------|--------|---------|--------|
| .050 | -.8116  | -.8357 | -1.0127 | -.8649 |
| .230 | -1.1485 | -.4541 | -.3476  | -.6484 |
| .410 | -.8237  | -.1997 | -.2186  | -.3785 |
| .590 | -.6587  | -.2616 | -.2101  | -.2410 |
| .770 | -.3458  | -.2496 | -.2135  | -.2427 |
| .878 | -.2874  | -.2513 | -.2135  | -.2290 |

BETA ( 5 ) = 10.120 ALPHA ( 3 ) = 4.140 Q(PSF) = 42.933 PO/PSF = 2117.1 RUN NO = 89.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |         |        |
|------|--------|--------|---------|--------|
| .050 | -.7599 | -.8615 | -1.1078 | -.8339 |
| .230 | -.8890 | -.6290 | -.3947  | -.5859 |
| .410 | -.7444 | -.2501 | -.2070  | -.3500 |
| .590 | -.6496 | -.2742 | -.1881  | -.2001 |
| .770 | -.3620 | -.2518 | -.1881  | -.1915 |
| .878 | -.2949 | -.2518 | -.1881  | -.1898 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM17)

BETA ( 5 ) = 10.120 ALPHA ( 4 ) = 6.220 Q(PSF) = 42.933 PO/PSF = 2117.1 RUN NO = 89.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |         |         |
|------|--------|--------|---------|---------|
| .050 | -.7550 | -.8880 | -1.1487 | -1.3128 |
| .230 | -.7498 | -.8534 | -.5685  | -.6600  |
| .410 | -.7395 | -.3855 | -.1938  | -.3319  |
| .590 | -.6376 | -.3285 | -.1558  | -.1575  |
| .770 | -.3544 | -.2698 | -.1558  | -.1575  |
| .878 | -.2870 | -.2698 | -.1627  | -.1610  |

BETA ( 5 ) = 10.120 ALPHA ( 5 ) = 8.270 Q(PSF) = 42.933 PO/PSF = 2117.1 RUN NO = 89.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7167 | -.7253 | -.7046 | -.6960 |
| .230 | -.9411 | -.7339 | -.7702 | -.7305 |
| .410 | -.8341 | -.4681 | -.5320 | -.6338 |
| .590 | -.6511 | -.4560 | -.1989 | -.2282 |
| .770 | -.3663 | -.4008 | -.1022 | -.0556 |
| .878 | -.3059 | -.3680 | -.0987 | -.0539 |

BETA ( 5 ) = 10.120 ALPHA ( 6 ) = 10.340 Q(PSF) = 42.933 PO/PSF = 2117.1 RUN NO = 89.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6686 | -.6859 | -.6686 | -.6652 |
| .230 | -.8099 | -.7048 | -.7238 | -.6841 |
| .410 | -.7289 | -.5739 | -.5705 | -.6635 |
| .590 | -.6135 | -.5653 | -.2467 | -.3001 |
| .770 | -.3913 | -.4723 | -.1140 | -.0693 |
| .878 | -.3121 | -.4086 | -.0916 | -.0417 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM18) ( 11 MAY 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
LREF = 474.8100 INCHES YMRP = .0000 IN. YO  
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
SCALE = .0405

PARAMETRIC DATA

MACH = .170 ELEVON = .000  
BDFLAP = .000 SPDBRK = 25.000  
PHI-N = 66.000 THETAN = 80.000  
PHI-M = 88.000 THETAM = 80.000

BETA ( 1 ) = -10.110 ALPHA ( 1 ) = .020 Q(PSF) = 42.900 PO/PSF = 2117.2 RUN NO = 90.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.0486 .0822 .1563 .1322  
.230 -.1020 -.0348 -.0452 -.1020  
.410 -.1020 -.0744 -.0951 -.1416  
.590 -.1210 -.1261 -.1261 -.1382  
.770 -.2157 -.1709 -.1761 -.1950  
.878 -.2398 -.2192 -.2037 -.2243

BETA ( 1 ) = -10.110 ALPHA ( 2 ) = 2.050 Q(PSF) = 42.900 PO/PSF = 2117.2 RUN NO = 90.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.0969 -.0624 .1375 .1582  
.230 -.0314 .0151 .0030 -.0469  
.410 -.0331 -.0228 -.0400 -.0900  
.590 -.0659 -.0745 -.0779 -.0900  
.770 -.1624 -.1262 -.1314 -.1435  
.878 -.1900 -.1745 -.1624 -.1814

BETA ( 1 ) = -10.110 ALPHA ( 3 ) = 4.110 Q(PSF) = 42.900 PO/PSF = 2117.2 RUN NO = 90.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.1175 -.2364 -.1192 .1924  
.230 .0374 .0667 .0581 .0116  
.410 .0288 .0271 .0133 -.0348  
.590 -.0159 -.0262 -.0245 -.0383  
.770 -.1106 -.0796 -.0796 -.0830  
.878 -.1392 -.1296 -.1140 -.1330



DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM18)

BETA ( 1 ) = -10.110    ALPHA ( 4 ) = 5.150    Q(PSF) = 42.900    PO/PSF = 2117.2    RUN NO = 90.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML    .0760    .3100    .5820    .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0865 | -.2676 | -.2331 | .2080  |
| .230 | .0651  | .0961  | .0909  | .0392  |
| .410 | .0547  | .0530  | .0427  | -.0090 |
| .590 | .0099  | -.0004 | .0030  | -.0124 |
| .770 | -.0866 | -.0555 | -.0504 | -.0555 |
| .878 | -.1159 | -.1055 | -.0866 | -.1038 |

BETA ( 1 ) = -10.110    ALPHA ( 5 ) = 6.210    Q(PSF) = 42.900    PO/PSF = 2117.2    RUN NO = 90.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML    .0760    .3100    .5820    .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0833 | -.2560 | -.2629 | .2187  |
| .230 | .0963  | .1239  | .1239  | .0600  |
| .410 | .0859  | .0807  | .0721  | .0255  |
| .590 | .0341  | .0272  | .0289  | .0168  |
| .770 | -.0574 | -.0280 | -.0297 | -.0280 |
| .878 | -.0902 | -.0816 | -.0625 | -.0816 |

BETA ( 1 ) = -10.110    ALPHA ( 6 ) = 8.270    Q(PSF) = 42.900    PO/PSF = 2117.2    RUN NO = 90.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML    .0760    .3100    .5820    .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0451 | -.2002 | -.2105 | .1821  |
| .230 | .1443  | .1752  | .1941  | .0926  |
| .410 | .1391  | .1339  | .1374  | .1064  |
| .590 | .0805  | .0771  | .0840  | .0874  |
| .770 | -.0072 | .0150  | .0185  | .0150  |
| .878 | -.0469 | -.0383 | -.0193 | -.0469 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 CRB

MAIN GEAR DOOR OUTER SURFACE

(RFFM18)

BETA ( 1 ) = -10.110 ALPHA ( 7 ) = 10.340 Q(PSF) = 42.900 PO/PSF = 2117.2 RUN NO = 90.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0176 | -.1573 | -.1418 | -.0762 |
| .230 | .1789  | .2080  | .2097  | .1237  |
| .410 | .1789  | .1823  | .1943  | .1479  |
| .590 | .1168  | .1272  | .1461  | .1513  |
| .770 | .0358  | .0668  | .0720  | .0789  |
| .878 | -.0004 | .0030  | .0254  | .0013  |

BETA ( 2 ) = -5.000 ALPHA ( 1 ) = .000 Q(PSF) = 42.950 PO/PSF = 2117.1 RUN NO = 91.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5317 | -.5162 | -.5524 | .0237  |
| .230 | -.0435 | -.0400 | -.0745 | -.1349 |
| .410 | -.0590 | -.0935 | -.1177 | -.1625 |
| .590 | -.1211 | -.1539 | -.1781 | -.2660 |
| .770 | -.2091 | -.2022 | -.2281 | -.2660 |
| .878 | -.2298 | -.2384 | -.2384 | -.2626 |

BETA ( 2 ) = -5.000 ALPHA ( 2 ) = 2.070 Q(PSF) = 42.950 PO/PSF = 2117.1 RUN NO = 91.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4914 | -.4345 | -.5396 | .0443  |
| .230 | .0116  | .0064  | .0013  | -.0779 |
| .410 | -.0055 | -.0400 | -.0607 | -.1244 |
| .590 | -.0813 | -.1054 | -.1244 | -.2054 |
| .770 | -.1692 | -.1589 | -.1813 | -.2243 |
| .878 | -.1916 | -.1950 | -.1968 | -.2260 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM18)

BETA ( 2 ) = -5.000 ALPHA ( 3 ) = 4.110 Q(PSF) = 42.950 PO/PSF = 2117.1 RUN NO = 91.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4567 | -.3809 | -.4412 | .0099  |
| .230 | .0460  | .0185  | .0667  | -.0606 |
| .410 | .0323  | .0116  | -.0004 | -.0951 |
| .590 | -.0503 | -.0555 | -.0624 | -.1157 |
| .770 | -.1330 | -.1140 | -.1330 | -.1846 |
| .878 | -.1553 | -.1588 | -.1588 | -.2018 |

BETA ( 2 ) = -5.000 ALPHA ( 4 ) = 6.190 Q(PSF) = 42.950 PO/PSF = 2117.1 RUN NO = 91.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4234 | -.3495 | -.3684 | -.2686 |
| .230 | .0615  | .0150  | .0580  | -.0244 |
| .410 | .0253  | .0636  | .0580  | -.0485 |
| .590 | -.0709 | -.0072 | -.0038 | -.0468 |
| .770 | -.1465 | -.0674 | -.0777 | -.1293 |
| .878 | -.1551 | -.1190 | -.1104 | -.1586 |

BETA ( 2 ) = -5.000 ALPHA ( 5 ) = 8.250 Q(PSF) = 42.950 PO/PSF = 2117.1 RUN NO = 91.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4259 | -.3208 | -.3226 | -.4432 |
| .230 | .0461  | .0054  | .0030  | -.0762 |
| .410 | -.0469 | .1081  | .1081  | -.0107 |
| .590 | -.1175 | .0374  | .0512  | .0254  |
| .770 | -.1416 | -.0262 | -.0228 | -.0641 |
| .878 | -.1520 | -.0786 | -.0607 | -.1261 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

PAGE 877

0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM1B)

BETA ( 2 ) = -5.000 ALPHA ( 6 ) = 10.330 Q(PSF) = 42.950 PO/PSF = 2117.1 RUN NO = 91.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3907 | -.2806 | -.3236 | -.4560 |
| .230 | -.0777 | -.0124 | -.0141 | -.0760 |
| .410 | -.0863 | .1388  | .1509  | .0305  |
| .590 | -.1.30 | .0769  | .1044  | .0821  |
| .770 | -.1104 | .0185  | .0322  | .0099  |
| .878 | -.1173 | -.0313 | -.0107 | -.0726 |

BETA ( 3 ) = .000 ALPHA ( 1 ) = .010 Q(PSF) = 42.888 PO/PSF = 2117.1 RUN NO = 92.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7324 | -.5649 | -.6478 | -.1868 |
| .230 | -.0470 | -.1506 | -.0815 | -.1972 |
| .410 | -.1022 | -.1057 | -.1471 | -.3077 |
| .590 | -.2300 | -.1799 | -.2093 | -.3025 |
| .770 | -.3060 | -.2317 | -.2680 | -.3284 |
| .878 | -.3008 | -.2680 | -.2766 | -.3094 |

BETA ( 3 ) = .000 ALPHA ( 2 ) = 2.060 Q(PSF) = 42.888 PO/PSF = 2117.1 RUN NO = 92.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6884 | -.5470 | -.5849 | -.4694 |
| .230 | -.0624 | -.1693 | -.1124 | -.2176 |
| .410 | -.1814 | -.0573 | -.0935 | -.2556 |
| .590 | -.2797 | -.1366 | -.1504 | -.2176 |
| .770 | -.3245 | -.1935 | -.2107 | -.2797 |
| .878 | -.3159 | -.2280 | -.2331 | -.2763 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM18)

BETA ( 3 ) = .000 ALPHA ( 3 ) = 4.110 Q(PSF) = 42.888 PO/PSF = 2117.1 RUN NO = 92.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6558 | -.5368 | -.5402 | -.6575 |
| .230 | -.1470 | -.1832 | -.1832 | -.2798 |
| .410 | -.2625 | -.0211 | -.0366 | -.2073 |
| .590 | -.3150 | -.0987 | -.0935 | -.1452 |
| .770 | -.3384 | -.1521 | -.1590 | -.2125 |
| .878 | -.3263 | -.1901 | -.1866 | -.2418 |

BETA ( 3 ) = .000 ALPHA ( 4 ) = 6.180 Q(PSF) = 42.888 PO/PSF = 2117.1 RUN NO = 92.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6134 | -.4963 | -.5445 | -.6892 |
| .230 | -.3758 | -.2001 | -.1932 | -.3671 |
| .410 | -.3310 | .0099  | .0030  | -.1639 |
| .590 | -.3258 | -.0606 | -.0400 | -.0727 |
| .770 | -.3138 | -.1123 | -.0985 | -.1330 |
| .878 | -.2948 | -.1484 | -.1364 | -.1812 |

BETA ( 3 ) = .000 ALPHA ( 5 ) = 8.240 Q(PSF) = 42.888 PO/PSF = 2117.1 RUN NO = 92.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3804 | -.3977 | -.5429 | -.6552 |
| .230 | -.6966 | -.2923 | -.2578 | -.3459 |
| .410 | -.4426 | .0289  | .0514  | -.1420 |
| .590 | -.3442 | -.0107 | .0255  | -.0004 |
| .770 | -.3027 | -.0877 | -.0366 | -.0487 |
| .878 | -.2647 | -.1092 | -.0764 | -.1144 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM18)

BETA ( 3 ) = .000 ALPHA ( 6 ) = 10.310 Q(PSF) = 42.888 PO/PSF = 2117.1 RUN NO = 92.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3275 | -.3619 | -.4222 | -.4514 |
| .230 | -.6856 | -.3051 | -.2775 | -.4686 |
| .410 | -.5014 | -.0227 | -.0004 | -.1278 |
| .590 | -.3636 | .0064  | .0512  | .0564  |
| .770 | -.2913 | -.0331 | .0116  | .0202  |
| .878 | -.2293 | -.0778 | -.0296 | -.0520 |

BETA ( 4 ) = 5.000 ALPHA ( 1 ) = -.020 Q(PSF) = 42.912 PO/PSF = 2117.1 RUN NO = 93.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.8722 | -.7395 | -.7257 | -.7998 |
| .230 | -.3932 | -.3484 | -.3294 | -.4656 |
| .410 | -.4535 | -.1434 | -.1830 | -.3853 |
| .590 | -.4828 | -.2209 | -.2295 | -.2933 |
| .770 | -.5121 | -.2588 | -.2760 | -.3277 |
| .878 | -.4449 | -.2846 | -.2933 | -.3277 |

BETA ( 4 ) = 5.000 ALPHA ( 2 ) = 2.100 Q(PSF) = 42.912 PO/PSF = 2117.1 RUN NO = 93.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.8224 | -.7035 | -.7362 | -.8793 |
| .230 | -.7604 | -.3571 | -.3399 | -.6070 |
| .410 | -.5139 | -.1107 | -.1331 | -.3347 |
| .590 | -.4846 | -.1795 | -.1675 | -.2123 |
| .770 | -.4898 | -.2175 | -.2141 | -.2451 |
| .878 | -.4105 | -.2416 | -.2382 | -.2658 |

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DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM18)

BETA ( 4 ) = 5.000 ALPHA ( 3 ) = 4.110 Q(PSF) = 42.912 PO/PSF = 2117.1 RUN NO = 93.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |         |        |        |        |
|------|---------|--------|--------|--------|
| .050 | -.6271  | -.6132 | -.7755 | -.9050 |
| .230 | -1.0966 | -.4182 | -.3560 | -.5597 |
| .410 | -.6271  | -.0780 | -.0936 | -.2956 |
| .590 | -.5097  | -.1506 | -.1229 | -.1523 |
| .770 | -.4889  | -.1903 | -.1713 | -.1903 |
| .878 | -.3871  | -.2179 | -.1972 | -.2248 |

BETA ( 4 ) = 5.000 ALPHA ( 4 ) = 6.170 Q(PSF) = 42.912 PO/PSF = 2117.1 RUN NO = 93.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5274 | -.6049 | -.7789 | -.8719 |
| .230 | -.9063 | -.4792 | -.4068 | -.5050 |
| .410 | -.6531 | -.0744 | -.0675 | -.2622 |
| .590 | -.5171 | -.1364 | -.0830 | -.0985 |
| .770 | -.4706 | -.1864 | -.1261 | -.1295 |
| .878 | -.3569 | -.2139 | -.1502 | -.1709 |

BETA ( 4 ) = 5.000 ALPHA ( 5 ) = 8.290 Q(PSF) = 42.912 PO/PSF = 2117.1 RUN NO = 93.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5231 | -.6111 | -.7750 | -.9010 |
| .230 | -.7888 | -.5145 | -.4662 | -.5421 |
| .410 | -.6163 | -.1453 | -.0642 | -.2436 |
| .590 | -.5059 | -.1694 | -.0383 | -.0469 |
| .770 | -.4507 | -.1936 | -.0711 | -.0694 |
| .878 | -.3316 | -.2177 | -.0970 | -.1125 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM18)

BETA ( 4 ) = 5.000 ALPHA ( 6 ) = 10.310 Q(PSF) = 42.912 PO/PSF = 2117.1 RUN NO = 93.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5188 | -.5219 | -.5064 | -.5064 |
| .230 | -.8697 | -.5168 | -.5615 | -.5151 |
| .410 | -.7423 | -.2069 | -.2861 | -.4014 |
| .590 | -.5856 | -.1691 | -.0572 | -.0830 |
| .770 | -.4651 | -.2259 | -.0313 | .0116  |
| .878 | -.3137 | -.2551 | -.0537 | -.0176 |

BETA ( 5 ) = 10.000 ALPHA ( 1 ) = .000 Q(PSF) = 42.882 PO/PSF = 2117.2 RUN NO = 94.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |         |        |        |        |
|------|---------|--------|--------|--------|
| .050 | -.9199  | -.8181 | -.8992 | -.8129 |
| .230 | -1.2132 | -.4040 | -.3540 | -.5783 |
| .410 | -.6749  | -.1677 | -.2074 | -.3782 |
| .590 | -.5990  | -.2626 | -.2384 | -.2626 |
| .770 | -.5835  | -.2988 | -.2747 | -.2988 |
| .878 | -.4679  | -.3143 | -.2833 | -.3109 |

BETA ( 5 ) = 10.000 ALPHA ( 2 ) = 2.080 Q(PSF) = 42.882 PO/PSF = 2117.2 RUN NO = 94.000

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |         |        |        |        |
|------|---------|--------|--------|--------|
| .050 | -.8504  | -.8262 | -.9538 | -.9211 |
| .230 | -1.1400 | -.3866 | -.3314 | -.6486 |
| .410 | -.6935  | -.1693 | -.2021 | -.3745 |
| .590 | -.5986  | -.2969 | -.2228 | -.2400 |
| .770 | -.5348  | -.3348 | -.2521 | -.2693 |
| .878 | -.4228  | -.3452 | -.2555 | -.2659 |



DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

PAGE 882

0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM18)

BETA ( 5 ) = 10.000 ALPHA ( 3 ) = 4.120 Q(PSF) = 42.882 PO/PSF = 2117.2 RUN NO = 94.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |         |        |
|------|--------|--------|---------|--------|
| .050 | -.7387 | -.8318 | -1.0734 | -.8353 |
| .230 | -.7766 | -.6266 | -.3385  | -.6041 |
| .410 | -.6386 | -.2436 | -.2091  | -.3488 |
| .590 | -.5524 | -.3350 | -.2091  | -.2108 |
| .770 | -.5083 | -.3419 | -.2246  | -.2212 |
| .878 | -.4023 | -.3488 | -.2281  | -.2125 |

BETA ( 5 ) = 10.000 ALPHA ( 4 ) = 6.200 Q(PSF) = 42.882 PO/PSF = 2117.2 RUN NO = 94.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |         |         |
|------|--------|--------|---------|---------|
| .050 | -.7498 | -.8653 | -1.1065 | -1.2581 |
| .230 | -.7050 | -.8325 | -.5896  | -.6861  |
| .410 | -.7533 | -.3966 | -.1864  | -.3191  |
| .590 | -.5965 | -.3484 | -.1485  | -.1468  |
| .770 | -.5017 | -.3656 | -.1795  | -.1709  |
| .878 | -.4035 | -.4018 | -.1968  | -.1847  |

BETA ( 5 ) = 10.000 ALPHA ( 5 ) = 8.250 Q(PSF) = 42.882 PO/PSF = 2117.2 RUN NO = 94.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7252 | -.7373 | -.7148 | -.7148 |
| .230 | -.9737 | -.7373 | -.7804 | -.7356 |
| .410 | -.8995 | -.4698 | -.5129 | -.6355 |
| .590 | -.7252 | -.4853 | -.1936 | -.2264 |
| .770 | -.5319 | -.4698 | -.1039 | -.0573 |
| .878 | -.4491 | -.4922 | -.1350 | -.0625 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM18)

BETA ( 5 ) = 10.000 ALPHA ( 6 ) = 10.360 Q(PSF) = 42.882 PO/PSF = 2117.2 RUN NO = 94.000

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6856 | -.7098 | -.6908 | -.6908 |
| .230 | -.8479 | -.7322 | -.7495 | -.7201 |
| .410 | -.8202 | -.6407 | -.5820 | -.6822 |
| .590 | -.6925 | -.6200 | -.2109 | -.2765 |
| .770 | -.5251 | -.6079 | -.0918 | -.0262 |
| .878 | -.4491 | -.5700 | -.1108 | -.0262 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM19) ( 03 FEB 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6900 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0405

## PARAMETRIC DATA

MACH = .170 ELEVON = .000  
 BDFLAP = .000 SPDBRK = 25.000  
 PHI-N = 66.000 THETAN = 95.000  
 PHI-M = 88.000 THETAM = 98.000

BETA ( 1 ) = -10.070 ALPHA ( 1 ) = .010 Q(PSF) = 42.892 PO/PSF = 2125.6 RUN NO = 145.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.0452 .0840 .1580 .1356  
 .230 -.1210 -.0383 -.0434 -.1020  
 .410 -.1192 -.0693 -.0882 -.1399  
 .590 -.0899 -.1037 -.1158 -.1330  
 .770 -.1468 -.1537 -.1692 -.1830  
 .878 -.2260 -.2226 -.2054 -.2192

BETA ( 1 ) = -10.070 ALPHA ( 2 ) = 2.060 Q(PSF) = 42.892 PO/PSF = 2125.6 RUN NO = 145.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.0834 -.0211 .1587 .1569  
 .230 -.0471 .0116 .0065 -.0471  
 .410 -.0540 -.0194 -.0350 -.0834  
 .590 -.0315 -.0557 -.0644 -.0799  
 .770 -.0955 -.1093 -.1214 -.1301  
 .878 -.1785 -.1802 -.1612 -.1751

BETA ( 1 ) = -10.070 ALPHA ( 3 ) = 4.150 Q(PSF) = 42.892 PO/PSF = 2125.6 RUN NO = 145.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.1299 -.2179 -.0712 .1945  
 .230 .0237 .0669 .0600 .0116  
 .410 .0185 .0358 .0237 -.0280  
 .590 .0254 -.0038 -.0124 -.0263  
 .770 -.0435 -.0608 -.0712 -.0729  
 .878 -.1281 -.1333 -.1143 -.1264

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM19)

BETA ( 1 ) = -10.070 ALPHA ( 4 ) = 6.210 Q(PSF) = 42.892 PO/PSF = 2125.6 RUN NO = 145.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0901 | -.2626 | -.2574 | .2184  |
| .230 | .0875  | .1220  | .1238  | .0358  |
| .410 | .0789  | .0893  | .0824  | .0548  |
| .590 | .0772  | .0496  | .0461  | .0392  |
| .770 | .0082  | -.0159 | -.0211 | -.0193 |
| .878 | -.0815 | -.0884 | -.0728 | -.0866 |

BETA ( 1 ) = -10.070 ALPHA ( 5 ) = 8.250 Q(PSF) = 42.892 PO/PSF = 2125.6 RUN NO = 145.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0590 | -.2058 | -.2161 | .1825  |
| .230 | .1376  | .1739  | .1910  | .0945  |
| .410 | .1359  | .1394  | .1411  | .1031  |
| .590 | .1238  | .0979  | .0979  | .0962  |
| .770 | .0513  | .0323  | .0289  | .0427  |
| .878 | -.0383 | -.0452 | -.0280 | -.0349 |

BETA ( 1 ) = -10.070 ALPHA ( 6 ) = 10.360 Q(PSF) = 42.892 PO/PSF = 2125.6 RUN NO = 145.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0398 | -.1565 | -.1445 | -.0793 |
| .230 | .1779  | .2087  | .2104  | .1282  |
| .410 | .1813  | .1916  | .2001  | .1471  |
| .590 | .1660  | .1471  | .1540  | .1557  |
| .770 | .0870  | .0767  | .0785  | .1008  |
| .878 | -.0038 | -.0021 | .0218  | .0013  |

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM19)

BETA ( 2 ) = -5.050 ALPHA ( 1 ) = -.010 Q(PSF) = 42.965 PO/PSF = 2125.5 RUN NO = 146.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5455 | -.5334 | -.5317 | .0253  |
| .230 | -.0623 | -.0468 | -.0812 | -.1431 |
| .410 | -.0691 | -.0881 | -.1138 | -.1620 |
| .590 | -.0709 | -.1293 | -.1603 | -.2411 |
| .770 | -.1396 | -.1826 | -.2153 | -.2428 |
| .878 | -.2308 | -.2428 | -.2394 | -.2583 |

BETA ( 2 ) = -5.050 ALPHA ( 2 ) = 2.050 Q(PSF) = 42.965 PO/PSF = 2125.5 RUN NO = 146.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5162 | -.4423 | -.5437 | .0460  |
| .230 | .0013  | .0064  | -.0021 | -.0846 |
| .410 | -.0124 | -.0313 | -.0502 | -.1156 |
| .590 | -.0244 | -.0812 | -.1087 | -.1843 |
| .770 | -.1104 | -.1396 | -.1706 | -.2067 |
| .878 | -.2033 | -.2033 | -.2015 | -.2256 |

BETA ( 2 ) = -5.050 ALPHA ( 3 ) = 4.120 Q(PSF) = 42.965 PO/PSF = 2125.5 RUN NO = 146.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4729 | -.3853 | -.4420 | .0047  |
| .230 | .0373  | .0219  | .0683  | -.0622 |
| .410 | .0339  | .0184  | .0047  | -.0897 |
| .590 | .0099  | -.0313 | -.0485 | -.0914 |
| .770 | -.0880 | -.1000 | -.1258 | -.1670 |
| .878 | -.1911 | -.1705 | -.1688 | -.2186 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM19)

BETA ( 2 ) = -5.050 ALPHA ( 4 ) = 6.190 Q(PSF) = 42.965 PO/PSF = 2125.5 RUN NO = 146.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4438 | -.3455 | -.3696 | -.2626 |
| .230 | .0565  | .0202  | .0617  | -.0176 |
| .410 | .0582  | .0755  | .0634  | -.0400 |
| .590 | .0151  | .0168  | .0082  | -.0280 |
| .770 | -.1419 | -.0556 | -.0711 | -.1056 |
| .878 | -.2454 | -.1298 | -.1194 | -.1764 |

BETA ( 2 ) = -5.050 ALPHA ( 5 ) = 8.260 Q(PSF) = 42.965 PO/PSF = 2125.5 RUN NO = 146.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4217 | -.3146 | -.3267 | -.4406 |
| .230 | .0531  | .0082  | .0169  | -.0556 |
| .410 | -.0073 | .1170  | .1187  | .0030  |
| .590 | -.0229 | .0600  | .0634  | .0393  |
| .770 | -.1402 | -.0159 | -.0176 | -.0401 |
| .878 | -.2214 | -.0936 | -.0746 | -.1419 |

BETA ( 2 ) = -5.050 ALPHA ( 6 ) = 10.310 Q(PSF) = 42.965 PO/PSF = 2125.5 RUN NO = 146.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3940 | -.2737 | -.3132 | -.4508 |
| .230 | -.0365 | -.0107 | -.0141 | -.0571 |
| .410 | -.0347 | .1525  | .1594  | .0391  |
| .590 | -.0399 | .0958  | .1147  | .0924  |
| .770 | -.1276 | .0185  | .0339  | .0150  |
| .878 | -.1877 | -.0571 | -.0296 | -.0932 |

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OF POOR QUALITY

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFH19)

BETA ( 3 ) = -.010 ALPHA ( 1 ) = -.010 Q(PSF) = 42.965 PO/PSF = 2125.5 RUN NO = 147.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7416 | -.5631 | -.6455 | -.1822 |
| .230 | -.0501 | -.1393 | -.0759 | -.1891 |
| .410 | -.0724 | -.0896 | -.1342 | -.2938 |
| .590 | -.1342 | -.1531 | -.1925 | -.2903 |
| .770 | -.3023 | -.2217 | -.2629 | -.3212 |
| .878 | -.4036 | -.2869 | -.2938 | -.3315 |

BETA ( 3 ) = -.010 ALPHA ( 2 ) = 2.040 Q(PSF) = 42.965 PO/PSF = 2125.5 RUN NO = 147.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6968 | -.5369 | -.5833 | -.4560 |
| .230 | -.0502 | -.1603 | -.0949 | -.1981 |
| .410 | -.1156 | -.0433 | -.0795 | -.2377 |
| .590 | -.1689 | -.1087 | -.1328 | -.2084 |
| .770 | -.3116 | -.1826 | -.2101 | -.2652 |
| .878 | -.3993 | -.2531 | -.2480 | -.2944 |

BETA ( 3 ) = -.010 ALPHA ( 3 ) = 4.110 Q(PSF) = 42.965 PO/PSF = 2125.5 RUN NO = 147.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6538 | -.5211 | -.5349 | -.6521 |
| .230 | -.1176 | -.1814 | -.1624 | -.2590 |
| .410 | -.1917 | -.0055 | -.0262 | -.1952 |
| .590 | -.2073 | -.0711 | -.0762 | -.1348 |
| .770 | -.3159 | -.1504 | -.1555 | -.2004 |
| .878 | -.3883 | -.2211 | -.2055 | -.2607 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFMIS)

BETA ( 3 ) = -.010 ALPHA ( 4 ) = 6.200 Q(PSF) = 42.965 PO/PSF = 2125.5 RUN NO = 147.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5983 | -.4946 | -.5413 | -.6830 |
| .230 | -.3253 | -.1974 | -.1905 | -.3512 |
| .410 | -.2561 | .0220  | .0134  | -.1559 |
| .590 | -.2354 | -.0401 | -.0280 | -.0712 |
| .770 | -.3149 | -.1196 | -.1092 | -.1334 |
| .878 | -.3754 | -.1905 | -.1628 | -.2095 |

BETA ( 3 ) = -.010 ALPHA ( 5 ) = 8.280 Q(PSF) = 42.965 PO/PSF = 2125.5 RUN NO = 147.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3792 | -.3878 | -.5239 | -.6393 |
| .230 | -.5997 | -.2880 | -.2656 | -.3345 |
| .410 | -.3603 | .0478  | .0581  | -.1312 |
| .590 | -.2725 | .0064  | .0305  | .0047  |
| .770 | -.3052 | -.0779 | -.0520 | -.0555 |
| .878 | -.3482 | -.1519 | -.1106 | -.1640 |

BETA ( 3 ) = -.010 ALPHA ( 6 ) = 10.330 Q(PSF) = 42.965 PO/PSF = 2125.5 RUN NO = 147.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3167 | -.3493 | -.4095 | -.4404 |
| .230 | -.6381 | -.3012 | -.2737 | -.4679 |
| .410 | -.4318 | -.0175 | -.0004 | -.1224 |
| .590 | -.3149 | .0202  | .0546  | .0563  |
| .770 | -.3098 | -.0554 | -.0038 | .0081  |
| .878 | -.3373 | -.1396 | -.0622 | -.0966 |



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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM19)

BETA ( 4 ) = 5.040 ALPHA ( 1 ) = -.020 Q(PSF) = 42.938 PO/PSF = 2125.4 RUN NO = 148.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.8439 | -.7185 | -.7099 | -.7958 |
| .230 | -.3233 | -.3422 | -.3233 | -.4402 |
| .410 | -.3766 | -.1275 | -.1670 | -.3714 |
| .590 | -.3749 | -.1911 | -.2134 | -.2821 |
| .770 | -.4642 | -.2632 | -.2804 | -.3165 |
| .878 | -.5381 | -.3268 | -.3165 | -.3560 |

BETA ( 4 ) = 5.040 ALPHA ( 2 ) = 2.050 Q(PSF) = 42.938 PO/PSF = 2125.4 RUN NO = 148.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.8018 | -.7020 | -.7209 | -.8688 |
| .230 | -.6676 | -.3443 | -.3374 | -.5765 |
| .410 | -.4372 | -.0949 | -.1207 | -.3288 |
| .590 | -.3907 | -.1603 | -.1551 | -.2084 |
| .770 | -.4526 | -.2325 | -.2222 | -.2480 |
| .878 | -.5146 | -.2979 | -.2652 | -.3013 |

BETA ( 4 ) = 5.040 ALPHA ( 3 ) = 4.110 Q(PSF) = 42.938 PO/PSF = 2125.4 RUN NO = 148.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6621 | -.6173 | -.7396 | -.8740 |
| .230 | -.9998 | -.3691 | -.3192 | -.5346 |
| .410 | -.5139 | -.0589 | -.0848 | -.2778 |
| .590 | -.4122 | -.1279 | -.1141 | -.1434 |
| .770 | -.4432 | -.2071 | -.1796 | -.1899 |
| .878 | -.4898 | -.2743 | -.2227 | -.2554 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM19)

BETA ( 4 ) \* 5.040 ALPHA ( 4 ) \* 6.200 Q(PSF) = 42.938 PO/PSF = 2125.4 RUN NO = 148.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5232 | -.5750 | -.7614 | -.8011 |
| .230 | -.8580 | -.4473 | -.3524 | -.4646 |
| .410 | -.5543 | -.0470 | -.0556 | -.2281 |
| .590 | -.4214 | -.1143 | -.0780 | -.0970 |
| .770 | -.4249 | -.2109 | -.1401 | -.1419 |
| .878 | -.4611 | -.2885 | -.1816 | -.1988 |

BETA ( 4 ) \* 5.040 ALPHA ( 5 ) \* 8.240 Q(PSF) = 42.938 PO/PSF = 2125.4 RUN NO = 148.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5108 | -.5901 | -.7660 | -.9092 |
| .230 | -.7229 | -.4849 | -.4229 | -.4763 |
| .410 | -.5556 | -.1159 | -.0452 | -.2038 |
| .590 | -.4349 | -.1452 | -.0383 | -.0486 |
| .770 | -.4280 | -.2435 | -.0952 | -.0883 |
| .878 | -.4418 | -.3280 | -.1349 | -.1487 |

BETA ( 4 ) \* 5.040 ALPHA ( 6 ) \* 10.310 Q(PSF) = 42.938 PO/PSF = 2125.4 RUN NO = 148.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5073 | -.5194 | -.5090 | -.5073 |
| .230 | -.8176 | -.5056 | -.5590 | -.5056 |
| .410 | -.6883 | -.1780 | -.2831 | -.3676 |
| .590 | -.5314 | -.1642 | -.0452 | -.0590 |
| .770 | -.4728 | -.2883 | -.0452 | .0047  |
| .878 | -.4538 | -.3849 | -.0883 | -.0555 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM19)

BETA ( 5 ) = 10.080 ALPHA ( 1 ) = .000 Q(PSF) = 42.905 PO/PSF = 2125.6 RUN NO = 149.00

SECTION ( 1 ) MAIN LND GR DR-0 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |         |        |        |        |
|------|---------|--------|--------|--------|
| .050 | -.9002  | -.7867 | -.8796 | -.7350 |
| .230 | -1.1101 | -.3617 | -.3152 | -.5251 |
| .410 | -.5871  | -.1535 | -.1931 | -.3462 |
| .590 | -.4890  | -.2361 | -.2275 | -.2464 |
| .770 | -.5389  | -.3238 | -.2825 | -.3015 |
| .878 | -.5991  | -.3892 | -.3152 | -.3445 |

BETA ( 5 ) = 10.080 ALPHA ( 2 ) = 2.040 Q(PSF) = 42.905 PO/PSF = 2125.6 RUN NO = 149.00

SECTION ( 1 ) MAIN LND GR DR-0 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |         |        |        |        |
|------|---------|--------|--------|--------|
| .050 | -.7917  | -.7934 | -.9296 | -.9175 |
| .230 | -1.0641 | -.4107 | -.3365 | -.6124 |
| .410 | -.6434  | -.1314 | -.1762 | -.3469 |
| .590 | -.4900  | -.2503 | -.1986 | -.2262 |
| .770 | -.5124  | -.3607 | -.2590 | -.2693 |
| .878 | -.5469  | -.4296 | -.2883 | -.3021 |

BETA ( 5 ) = 10.080 ALPHA ( 3 ) = 4.100 Q(PSF) = 42.905 PO/PSF = 2125.6 RUN NO = 149.00

SECTION ( 1 ) MAIN LND GR DR-0 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |         |        |
|------|--------|--------|---------|--------|
| .050 | -.7308 | -.8067 | -1.0226 | -.8430 |
| .230 | -.7757 | -.5650 | -.3526  | -.6030 |
| .410 | -.5840 | -.2127 | -.1955  | -.3457 |
| .590 | -.4787 | -.3008 | -.1989  | -.2024 |
| .770 | -.4787 | -.4044 | -.2386  | -.2300 |
| .878 | -.4994 | -.4562 | -.2559  | -.2456 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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CA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM19)

BETA ( 5 ) = 10.080 ALPHA ( 4 ) = 6.180 Q(PSF) = 42.905 PO/PSF = 2125.6 RUN NO = 149.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |         |         |
|------|--------|--------|---------|---------|
| .050 | -.7264 | -.8557 | -1.1110 | -1.2921 |
| .230 | -.6747 | -.8661 | -.4453  | -.5971  |
| .410 | -.6729 | -.3177 | -.1832  | -.3177  |
| .590 | -.5350 | -.3280 | -.1590  | -.1452  |
| .770 | -.4694 | -.4125 | -.1935  | -.1797  |
| .878 | -.4522 | -.4729 | -.2246  | -.2073  |

BETA ( 5 ) = 10.080 ALPHA ( 5 ) = 8.260 Q(PSF) = 42.905 PO/PSF = 2125.6 RUN NO = 149.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7147 | -.7251 | -.7147 | -.7130 |
| .230 | -.9321 | -.7199 | -.7751 | -.7475 |
| .410 | -.8510 | -.4749 | -.4731 | -.5732 |
| .590 | -.7113 | -.5232 | -.1798 | -.1884 |
| .770 | -.5888 | -.5991 | -.1229 | -.0677 |
| .878 | -.4956 | -.6302 | -.1436 | -.0901 |

BETA ( 5 ) = 10.080 ALPHA ( 6 ) = 10.310 Q(PSF) = 42.905 PO/PSF = 2125.6 RUN NO = 149.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6701 | -.7011 | -.6804 | -.6804 |
| .230 | -.8354 | -.7183 | -.7355 | -.7045 |
| .410 | -.8130 | -.6425 | -.5702 | -.6770 |
| .590 | -.7372 | -.6821 | -.2225 | -.2827 |
| .770 | -.5461 | -.6804 | -.0641 | -.0193 |
| .878 | -.4463 | -.6580 | -.0899 | -.0262 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM20) ( 03 FEB 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0405

## PARAMETRIC DATA

MACH = .170 ELEVON = .000  
 BDFLAP = .000 SPDBRK = 25.000  
 PHI-N = 66.000 THETAN = 109.000  
 PHI-M = 88.000 THETAM = 98.000

BETA ( 1 ) = -10.030 ALPHA ( 1 ) = .010 Q(PSF) = 42.885 PO/PSF = 2117.2 RUN NO = 130.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.0453 .0825 .1567 .1343  
 .230 -.1230 -.0349 -.0453 -.1023  
 .410 -.1195 -.0677 -.0867 -.1385  
 .590 -.0867 -.1057 -.1144 -.1299  
 .770 -.1489 -.1541 -.1686 -.1904  
 .878 -.2301 -.2232 -.2042 -.2249

BETA ( 1 ) = -10.030 ALPHA ( 2 ) = 2.090 Q(PSF) = 42.885 PO/PSF = 2117.2 RUN NO = 130.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.0849 -.0349 .1531 .1583  
 .230 -.0470 .0151 .0082 -.0452  
 .410 -.0452 -.0142 -.0314 -.0797  
 .590 -.0280 -.0521 -.0608 -.0746  
 .770 -.0918 -.1073 -.1194 -.1367  
 .878 -.1764 -.1781 -.1626 -.1747

BETA ( 1 ) = -10.030 ALPHA ( 3 ) = 4.150 Q(PSF) = 42.885 PO/PSF = 2117.2 RUN NO = 130.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.1210 -.2226 -.0779 .1907  
 .230 .0219 .0650 .0616 .0082  
 .410 .0185 .0340 .0202 -.0296  
 .590 .0254 -.0038 -.0124 -.0262  
 .770 -.0434 -.0624 -.0744 -.0779  
 .878 -.1296 -.1365 -.1175 -.1296

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM20)

BETA ( 1 ) = -10.030 ALPHA ( 4 ) = 6.240 Q(PSF) = 42.885 PO/PSF = 2117.2 RUN NO = 130.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0883 | -.2607 | -.2572 | .2182  |
| .230 | .0875  | .1254  | .1219  | .0357  |
| .410 | .0788  | .0909  | .0840  | .0547  |
| .590 | .0788  | .0495  | .0444  | .0444  |
| .770 | .0082  | -.0141 | -.0210 | -.0245 |
| .878 | -.0831 | -.0900 | -.0728 | -.0900 |

BETA ( 1 ) = -10.030 ALPHA ( 5 ) = 8.310 Q(PSF) = 42.885 PO/PSF = 2117.2 RUN NO = 130.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0590 | -.2055 | -.2158 | .1788  |
| .230 | .1392  | .1770  | .1908  | .0961  |
| .410 | .1374  | .1409  | .1426  | .1047  |
| .590 | .1254  | .0943  | .0995  | .0995  |
| .770 | .0530  | .0323  | .0306  | .0392  |
| .878 | -.0400 | -.0486 | -.0262 | -.0366 |

BETA ( 1 ) = -10.040 ALPHA ( 6 ) = 10.360 Q(PSF) = 42.885 PO/PSF = 2117.2 RUN NO = 130.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0383 | -.1590 | -.1470 | -.0728 |
| .230 | .1737  | .2029  | .2098  | .1237  |
| .410 | .1806  | .1875  | .1943  | .1444  |
| .590 | .1634  | .1410  | .1496  | .1530  |
| .770 | .0823  | .0737  | .0772  | .0944  |
| .878 | -.0055 | -.0055 | .0151  | -.0021 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM201)

BETA ( 2 ) = -5.020 ALPHA ( 1 ) = .030 Q(PSF) = 42.927 PO/PSF = 2117.1 RUN NO = 131.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5385 | -.5265 | -.5299 | .0254  |
| .230 | -.0573 | -.0418 | -.0780 | -.1401 |
| .410 | -.0659 | -.0832 | -.1142 | -.1573 |
| .590 | -.0676 | -.1246 | -.1590 | -.2384 |
| .770 | -.1384 | -.1780 | -.2142 | -.2436 |
| .878 | -.2280 | -.2401 | -.2401 | -.2608 |

BETA ( 2 ) = -5.020 ALPHA ( 2 ) = 2.060 Q(PSF) = 42.927 PO/PSF = 2117.1 RUN NO = 131.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5128 | -.4438 | -.5438 | .0461  |
| .230 | .0013  | .0047  | .0013  | -.0832 |
| .410 | -.0142 | -.0331 | -.0538 | -.1125 |
| .590 | -.0245 | -.0814 | -.1056 | -.1815 |
| .770 | -.1108 | -.1418 | -.1712 | -.2074 |
| .878 | -.2057 | -.2057 | -.2039 | -.2281 |

BETA ( 2 ) = -5.020 ALPHA ( 3 ) = 4.130 Q(PSF) = 42.927 PO/PSF = 2117.1 RUN NO = 131.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4637 | -.3810 | -.4396 | .0013  |
| .230 | .0392  | .0219  | .0684  | -.0589 |
| .410 | .0357  | .0185  | .0082  | -.0882 |
| .590 | .0116  | -.0314 | -.0486 | -.0899 |
| .770 | -.0855 | -.0985 | -.1244 | -.1709 |
| .878 | -.1916 | -.1726 | -.1709 | -.2208 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM20)

BETA ( 2 ) = -5.020 ALPHA ( 4 ) = 6.210 Q(PSF) = 42.927 PO/PSF = 2117.1 RUN NO = 131.00

SECTION ( 1 ) MAIN LND GR DR-0 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4358 | -.3463 | -.3670 | -.2689 |
| .230 | .0563  | .0185  | .0615  | -.0210 |
| .410 | .0529  | .0736  | .0649  | -.0417 |
| .590 | .0150  | .0185  | .0099  | -.0262 |
| .770 | -.1398 | -.0572 | -.0709 | -.1036 |
| .878 | -.2465 | -.1312 | -.1243 | -.1776 |

BETA ( 2 ) = -5.030 ALPHA ( 5 ) = 8.290 Q(PSF) = 42.927 PO/PSF = 2117.1 RUN NO = 131.00

SECTION ( 1 ) MAIN LND GR DR-0 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .9530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4174 | -.3088 | -.3226 | -.4381 |
| .230 | .0547  | .0064  | .0151  | -.0503 |
| .410 | -.0038 | .1202  | .1185  | .0013  |
| .590 | -.0228 | .0599  | .0650  | .0392  |
| .770 | -.1382 | -.0193 | -.0159 | -.0486 |
| .878 | -.2158 | -.0934 | -.0745 | -.1434 |

BETA ( 2 ) = -5.030 ALPHA ( 6 ) = 10.400 Q(PSF) = 42.927 PO/PSF = 2117.1 RUN NO = 131.00

SECTION ( 1 ) MAIN LND GR DR-0 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3772 | -.2654 | -.3101 | -.4478 |
| .230 | -.0485 | -.0107 | -.0141 | -.0520 |
| .410 | -.0399 | .1544  | .1613  | .0426  |
| .590 | -.0417 | .0959  | .1183  | .0925  |
| .770 | -.1277 | .0202  | .0340  | .0133  |
| .878 | -.1879 | -.0554 | -.0279 | -.0898 |

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OF POOR QUALITY



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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM20)

BETA ( 3 ) = -.010 ALPHA ( 1 ) = .010 Q(PSF) = 42.907 PO/PSF = 2117.1 RUN NO = 132.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7327 | -.5570 | -.6414 | -.1779 |
| .230 | -.0469 | -.1365 | -.0727 | -.1865 |
| .410 | -.0693 | -.0982 | -.1330 | -.2899 |
| .590 | -.1279 | -.1503 | -.1899 | -.2881 |
| .770 | -.3002 | -.2175 | -.2623 | -.3209 |
| .878 | -.4036 | -.2847 | -.2916 | -.3295 |

BETA ( 3 ) = -.010 ALPHA ( 2 ) = 2.060 Q(PSF) = 42.907 PO/PSF = 2117.1 RUN NO = 132.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6900 | -.5348 | -.5745 | -.4417 |
| .230 | -.0538 | -.1590 | -.0969 | -.2004 |
| .410 | -.1159 | -.0417 | -.0779 | -.2366 |
| .590 | -.1676 | -.1073 | -.1366 | -.2090 |
| .770 | -.3141 | -.1848 | -.2124 | -.2676 |
| .878 | -.4021 | -.2538 | -.2521 | -.2952 |

BETA ( 3 ) = -.010 ALPHA ( 3 ) = 4.130 Q(PSF) = 42.907 PO/PSF = 2117.1 RUN NO = 132.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6517 | -.5225 | -.5311 | -.6517 |
| .230 | -.1124 | -.1778 | -.1675 | -.2588 |
| .410 | -.1865 | -.0021 | -.0262 | -.1934 |
| .590 | -.2037 | -.0727 | -.0796 | -.1348 |
| .770 | -.3174 | -.1503 | -.1572 | -.2089 |
| .878 | -.3898 | -.2226 | -.2054 | -.2623 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM20)

BETA ( 3 ) = -.010 ALPHA ( 4 ) = 6.200 Q(PSF) = 42.907 PO/PSF = 2117.1 RUN NO = 132.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5942 | .1837  | -.5355 | -.6805 |
| .230 | -.3111 | .1971  | -.1816 | -.3456 |
| .410 | -.2472 | .0237  | .0168  | -.1523 |
| .590 | -.2334 | -.0383 | -.0245 | -.0694 |
| .770 | -.3111 | -.1177 | -.1074 | -.1402 |
| .878 | -.3698 | -.1868 | -.1643 | -.2092 |

BETA ( 3 ) = -.010 ALPHA ( 5 ) = 8.340 Q(PSF) = 42.907 PO/PSF = 2117.1 RUN NO = 132.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3551 | -.3775 | -.5221 | -.6306 |
| .230 | -.5945 | -.2776 | -.2587 | -.3310 |
| .410 | -.3568 | .0443  | .0667  | -.1243 |
| .590 | -.2673 | .0116  | .0340  | .0116  |
| .770 | -.3034 | -.0744 | -.0486 | -.0572 |
| .878 | -.3448 | -.1485 | -.1054 | -.1588 |

BETA ( 3 ) = -.010 ALPHA ( 6 ) = 10.350 Q(PSF) = 42.907 PO/PSF = 2117.1 RUN NO = 132.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3176 | -.3486 | -.4072 | -.4382 |
| .230 | -.6313 | -.3003 | -.2693 | -.4675 |
| .410 | -.4296 | -.0210 | .0030  | -.1262 |
| .590 | -.3124 | .0185  | .0513  | .0530  |
| .770 | -.3107 | -.0555 | -.0055 | .0030  |
| .878 | -.3382 | -.1365 | -.0641 | -.0969 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM20)

BETA ( 4 ) = 5.030 ALPHA ( 1 ) = .020 Q(PSF) = 42.912 PO/PSF = 2117.0 RUN NO = 133.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.8382 | -.7089 | -.7124 | -.7744 |
| .230 | -.3331 | -.3400 | -.3210 | -.4365 |
| .410 | -.3762 | -.1228 | -.1659 | -.3676 |
| .590 | -.3710 | -.1883 | -.2090 | -.2762 |
| .770 | -.4624 | -.2624 | -.2779 | -.3210 |
| .878 | -.5348 | -.3227 | -.3159 | -.3521 |

BETA ( 4 ) = 5.030 ALPHA ( 2 ) = 2.070 Q(PSF) = 42.912 PO/PSF = 2117.0 RUN NO = 133.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.8015 | -.6913 | -.7188 | -.8653 |
| .230 | -.6723 | -.3432 | -.3329 | -.5707 |
| .410 | -.4311 | -.0900 | -.1192 | -.3243 |
| .590 | -.3863 | -.1571 | -.1554 | -.2071 |
| .770 | -.4483 | -.2295 | -.2209 | -.2502 |
| .878 | -.5086 | -.2933 | -.2622 | -.2984 |

BETA ( 4 ) = 5.030 ALPHA ( 3 ) = 4.120 Q(PSF) = 42.912 PO/PSF = 2117.0 RUN NO = 133.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6567 | -.6222 | -.7359 | -.8634 |
| .230 | -.9874 | -.3655 | -.3087 | -.5223 |
| .410 | -.5154 | -.0589 | -.0813 | -.2725 |
| .590 | -.4069 | -.1261 | -.1123 | -.1399 |
| .770 | -.4379 | -.2088 | -.1778 | -.1933 |
| .878 | -.4844 | -.2708 | -.2191 | -.2501 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM20)

BETA ( 4 ) = 5.030 ALPHA ( 4 ) = 6.200 Q(PSF) = 42.912 PO/PSF = 2117.0 RUN NO = 133.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5164 | -.5734 | -.7615 | -.8064 |
| .230 | -.8426 | -.4474 | -.3559 | -.4629 |
| .410 | -.5509 | -.0470 | -.0539 | -.2230 |
| .590 | -.4215 | -.1125 | -.0746 | -.0953 |
| .770 | -.4232 | -.2092 | -.1402 | -.1419 |
| .878 | -.4595 | -.2851 | -.1781 | -.1988 |

BETA ( 4 ) = 5.030 ALPHA ( 5 ) = 8.280 Q(PSF) = 42.912 PO/PSF = 2117.0 RUN NO = 133.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5124 | -.5866 | -.7590 | -.8883 |
| .230 | -.7245 | -.4848 | -.4228 | -.4710 |
| .410 | -.5383 | -.1073 | -.0452 | -.2038 |
| .590 | -.4279 | -.1504 | -.0400 | -.0469 |
| .770 | -.4193 | -.2452 | -.0952 | -.0917 |
| .878 | -.4366 | -.3245 | -.1314 | -.1435 |

BETA ( 4 ) = 5.030 ALPHA ( 6 ) = 10.340 Q(PSF) = 42.912 PO/PSF = 2117.0 RUN NO = 133.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5014 | -.5100 | -.5135 | -.5135 |
| .230 | -.8011 | -.4980 | -.5479 | -.4997 |
| .410 | -.5736 | -.1708 | -.2604 | -.3637 |
| .590 | -.5238 | -.1588 | -.0486 | -.0537 |
| .770 | -.4653 | -.2845 | -.0468 | .0013  |
| .878 | -.4412 | -.3809 | -.0899 | -.0537 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM20)

BETA ( 5 ) = 10.050 ALPHA ( 1 ) = .030 Q(PSF) = 42.900 PO/PSF = 2117.2 RUN NO = 134.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |         |        |        |        |
|------|---------|--------|--------|--------|
| .050 | -.9027  | -.7905 | -.8716 | -.6663 |
| .230 | -1.0476 | -.3402 | -.2937 | -.5197 |
| .410 | -.5594  | -.1522 | -.1901 | -.3437 |
| .590 | -.4765  | -.2367 | -.2246 | -.2436 |
| .770 | -.5300  | -.3195 | -.2816 | -.3040 |
| .878 | -.5887  | -.3799 | -.3126 | -.3351 |

BETA ( 5 ) = 10.050 ALPHA ( 2 ) = 2.100 Q(PSF) = 42.900 PO/PSF = 2117.2 RUN NO = 134.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |         |        |        |        |
|------|---------|--------|--------|--------|
| .050 | -.7914  | -.7880 | -.9103 | -.7983 |
| .230 | -1.0327 | -.3916 | -.3123 | -.5725 |
| .410 | -.6139  | -.1331 | -.1813 | -.3347 |
| .590 | -.4812  | -.2554 | -.2054 | -.2244 |
| .770 | -.5070  | -.3623 | -.2623 | -.2744 |
| .878 | -.5398  | -.4278 | -.2847 | -.2933 |

BETA ( 5 ) = 10.040 ALPHA ( 3 ) = 4.170 Q(PSF) = 42.900 PO/PSF = 2117.2 RUN NO = 134.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |         |        |
|------|--------|--------|---------|--------|
| .050 | -.7146 | -.7974 | -1.0079 | -.7250 |
| .230 | -.7439 | -.5524 | -.3402  | -.5645 |
| .410 | -.5818 | -.2126 | -.1988  | -.3264 |
| .590 | -.4800 | -.3074 | -.1988  | -.2005 |
| .770 | -.4869 | -.4041 | -.2419  | -.2333 |
| .878 | -.5024 | -.4627 | -.2574  | -.2402 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM20)

BETA ( 5 ) = 10.040 ALPHA ( 4 ) = 6.230 Q(PSF) = 42.900 PO/PSF = 2117.2 RUN NO = 134.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |         |         |
|------|--------|--------|---------|---------|
| .050 | -.7213 | -.8452 | -1.0551 | -1.2513 |
| .230 | -.8663 | -.8469 | -.5682  | -.6680  |
| .410 | -.6972 | -.3531 | -.1690  | -.3135  |
| .590 | -.5492 | -.3307 | -.1483  | -.1363  |
| .770 | -.4667 | -.4150 | -.1810  | -.1741  |
| .878 | -.4546 | -.4684 | -.2120  | -.2017  |

BETA ( 5 ) = 10.040 ALPHA ( 5 ) = 8.280 Q(PSF) = 42.900 PO/PSF = 2117.2 RUN NO = 134.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7144 | -.7282 | -.6989 | -.7040 |
| .230 | -.9438 | -.7230 | -.7644 | -.7299 |
| .410 | -.8489 | -.4540 | -.4643 | -.5816 |
| .590 | -.7213 | -.5022 | -.1815 | -.2004 |
| .770 | -.5954 | -.5885 | -.1176 | -.0659 |
| .878 | -.5022 | -.6247 | -.1470 | -.0849 |

BETA ( 5 ) = 10.050 ALPHA ( 6 ) = 10.350 Q(PSF) = 42.900 PO/PSF = 2117.2 RUN NO = 134.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6801 | -.6921 | -.6852 | -.6783 |
| .230 | -.8302 | -.7146 | -.7370 | -.6990 |
| .410 | -.8077 | -.6318 | -.5731 | -.6818 |
| .590 | -.7335 | -.6921 | -.2108 | -.2747 |
| .770 | -.5472 | -.6697 | -.0642 | -.0193 |
| .878 | -.4437 | -.6611 | -.0970 | -.0211 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM21) ( 03 FEB 76 )

## REFERENCE DATA

SREF = 2590.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0405

## PARAMETRIC DATA

MACH = .170 ELEVON = 5.000  
 BDFLAP = -11.700 SPDBRK = 25.000  
 PHI-N = 66.000 THETAN = 108.000  
 PHI-M = 88.000 THETAM = 98.000

BETA ( 1 ) = -10.050 ALPHA ( 1 ) = .050 Q(PSF) = 42.917 PO/PSF = 2120.7 RUN NO = 105.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.0366 .0789 .1633 .1392  
 .230 -.1073 -.0262 -.0348 -.0917  
 .410 -.1055 -.0573 -.0762 -.1262  
 .590 -.0659 -.0900 -.1021 -.1159  
 .770 -.1314 -.1383 -.1538 -.1762  
 .878 -.2107 -.2055 -.1883 -.2038

BETA ( 1 ) = -10.050 ALPHA ( 2 ) = 2.160 Q(PSF) = 42.917 PO/PSF = 2120.7 RUN NO = 105.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.0779 -.0641 .1461 .1616  
 .230 -.0348 .0202 .0185 -.0366  
 .410 -.0366 -.0055 -.0210 -.0710  
 .590 -.0107 -.0417 -.0538 -.0641  
 .770 -.0796 -.0952 -.1072 -.1210  
 .878 -.1624 -.1624 -.1451 -.1589

BETA ( 1 ) = -10.050 ALPHA ( 3 ) = 4.190 Q(PSF) = 42.917 PO/PSF = 2120.7 RUN NO = 105.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.1212 -.2283 -.1074 .1997  
 .230 .0323 .0790 .0721 .0203  
 .410 .0289 .0444 .0306 -.0176  
 .590 .0444 .0099 -.0004 -.0142  
 .770 -.0263 -.0453 -.0573 -.0608  
 .878 -.1126 -.1160 -.0988 -.1109

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM21)

BETA ( 1 ) = -10.050 ALPHA ( 4 ) = 8.250 Q(PSF) = 42.917 PO/PSF = 2120.7 RUN NO = 105.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0864 | -.2534 | -.2586 | .2179  |
| .230 | .0959  | .1287  | .1321  | .0426  |
| .410 | .0891  | .0959  | .0925  | .0650  |
| .590 | .0908  | .0581  | .0546  | .0512  |
| .770 | .0185  | -.0038 | -.0124 | -.0107 |
| .878 | -.0692 | -.0778 | -.0606 | -.0744 |

BETA ( 1 ) = -10.050 ALPHA ( 5 ) = 8.340 Q(PSF) = 42.917 PO/PSF = 2120.7 RUN NO = 105.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0659 | -.1934 | -.2037 | .1753  |
| .230 | .1460  | .1822  | .1993  | .1030  |
| .410 | .1426  | .1478  | .1495  | .1099  |
| .590 | .1392  | .1081  | .1099  | .1064  |
| .770 | .0616  | .0409  | .0409  | .0495  |
| .878 | -.0262 | -.0314 | -.0141 | -.0245 |

BETA ( 1 ) = -10.050 ALPHA ( 6 ) = 10.430 Q(PSF) = 42.917 PO/PSF = 2120.7 RUN NO = 105.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0392 | -.1466 | -.1346 | -.1019 |
| .230 | .1802  | .2093  | .2093  | .1321  |
| .410 | .1888  | .2008  | .2093  | .1562  |
| .590 | .1785  | .1544  | .1648  | .1699  |
| .770 | .0925  | .0890  | .0908  | .1062  |
| .878 | .0064  | .0099  | .0340  | .0150  |



DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM21)

BETA ( 2 ) = -5.050 ALPHA ( 1 ) = .070 Q(PSF) = 42.950 PO/PSF = 2120.6 RUN NO = 106.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5365 | -.5089 | -.5451 | .0306  |
| .230 | -.0452 | -.0331 | -.0641 | -.1279 |
| .410 | -.0555 | -.0745 | -.1003 | -.1486 |
| .590 | -.0504 | -.1141 | -.1469 | -.2279 |
| .770 | -.1262 | -.1659 | -.2003 | -.2279 |
| .878 | -.2141 | -.2279 | -.2227 | -.2452 |

BETA ( 2 ) = -5.050 ALPHA ( 2 ) = 2.130 Q(PSF) = 42.950 PO/PSF = 2120.6 RUN NO = 105.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4983 | .4296  | -.5278 | .0513  |
| .230 | -.0082 | .3168  | .0099  | -.0762 |
| .410 | -.0038 | -.0010 | -.0417 | -.1072 |
| .590 | -.0090 | -.0000 | -.0917 | -.1589 |
| .770 | -.0986 | -.1200 | -.1538 | -.1882 |
| .878 | -.1900 | -.1900 | .0865  | -.2106 |

BETA ( 2 ) = -5.050 ALPHA ( 3 ) = 4.160 Q(PSF) = 42.950 PO/PSF = 2120.6 RUN NO = 105.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4571 | -.3692 | -.4243 | -.0038 |
| .230 | .0478  | .0306  | .0788  | -.0538 |
| .410 | .0426  | .0323  | .0185  | -.0779 |
| .590 | .0271  | -.0176 | -.0331 | -.0745 |
| .770 | -.0745 | -.0848 | -.1089 | -.1503 |
| .878 | -.1779 | -.1537 | -.1503 | -.2020 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM21)

BETA ( 2 ) = -5.060 ALPHA ( 4 ) = 6.240 Q(PSF) = 42.950 PO/PSF = 2120.6 RUN NO = 106.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4393 | -.3360 | -.3550 | -.2741 |
| .230 | .0632  | .0219  | .0667  | -.0124 |
| .410 | .0581  | .0856  | .0770  | -.0313 |
| .590 | .0271  | .0271  | .0202  | -.0107 |
| .770 | -.1329 | -.0434 | -.0537 | -.0864 |
| .878 | -.2310 | -.1157 | -.1071 | -.1604 |

BETA ( 2 ) = -5.060 ALPHA ( 5 ) = 8.320 Q(PSF) = 42.950 PO/PSF = 2120.6 RUN NO = 106.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4216 | -.3047 | -.3116 | -.4388 |
| .230 | .0597  | .0116  | .0150  | -.0519 |
| .410 | -.0004 | .1285  | .1302  | .0099  |
| .590 | -.0141 | .0718  | .0752  | .0511  |
| .770 | -.1242 | -.0038 | -.0021 | -.0313 |
| .878 | -.2015 | -.0777 | -.0571 | -.1207 |

BETA ( 2 ) = -5.060 ALPHA ( 6 ) = 10.400 Q(PSF) = 42.950 PO/PSF = 2120.6 RUN NO = 106.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3669 | -.2602 | -.3049 | -.4374 |
| .230 | -.0503 | -.0124 | -.0107 | -.0503 |
| .410 | -.0331 | .1613  | .1716  | .0477  |
| .590 | -.0313 | .1079  | .1269  | .1062  |
| .770 | -.1174 | .0322  | .0460  | .0340  |
| .878 | -.1724 | -.0382 | -.0124 | -.0709 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM21)

BETA ( 3 ) = -.030 ALPHA ( 1 ) = .060 Q(PSF) = 42.928 PO/PSF = 2120.6 RUN NO = 107.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7291 | -.5499 | -.6309 | -.1864 |
| .230 | -.0451 | -.1399 | -.0693 | -.1830 |
| .410 | -.0693 | -.0762 | -.1210 | -.2812 |
| .590 | -.1158 | -.1399 | -.1795 | -.2708 |
| .770 | -.2950 | -.2071 | -.2467 | -.3018 |
| .878 | -.3914 | -.2708 | -.2777 | -.3156 |

BETA ( 3 ) = -.030 ALPHA ( 2 ) = 2.130 Q(PSF) = 42.928 PO/PSF = 2120.6 RUN NO = 107.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6861 | -.5293 | -.5638 | -.4569 |
| .230 | -.0486 | -.1589 | -.1020 | -.2002 |
| .410 | -.1158 | -.0296 | -.0658 | -.2278 |
| .590 | -.1571 | -.0968 | -.1210 | -.1899 |
| .770 | -.3070 | -.1709 | -.1950 | -.2485 |
| .878 | -.3846 | -.2398 | -.2330 | -.2812 |

BETA ( 3 ) = -.030 ALPHA ( 3 ) = 4.230 Q(PSF) = 42.928 PO/PSF = 2120.6 RUN NO = 107.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6402 | -.5126 | -.5247 | -.6489 |
| .230 | -.1280 | -.1728 | -.1746 | -.2608 |
| .410 | -.1935 | .0064  | -.0142 | -.1797 |
| .590 | -.2004 | -.0607 | -.0642 | -.1159 |
| .770 | -.3074 | -.1349 | -.1383 | -.1866 |
| .878 | -.3746 | -.2039 | -.1901 | -.2435 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM21)

BETA ( 3 ) = -.030 ALPHA ( 4 ) = 6.240 Q(PSF) = 42.928 PO/PSF = 2120.6 RUN NO = 107.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5660 | -.4677 | -.5298 | -.6660 |
| .230 | -.3401 | -.1952 | -.1728 | -.3401 |
| .410 | -.2539 | .0323  | .0237  | -.1435 |
| .590 | -.2228 | -.0280 | -.0142 | -.0538 |
| .770 | -.2970 | -.1038 | -.0900 | -.1211 |
| .878 | -.3556 | -.1711 | -.1469 | -.1849 |

BETA ( 3 ) = -.030 ALPHA ( 5 ) = 8.310 Q(PSF) = 42.928 PO/PSF = 2120.6 RUN NO = 107.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3462 | -.3738 | -.5080 | -.6216 |
| .230 | -.6061 | -.2791 | -.2619 | -.3273 |
| .410 | -.3548 | .0460  | .0701  | -.1294 |
| .590 | -.2602 | .0202  | .0460  | .0168  |
| .770 | -.2929 | -.0640 | -.0365 | -.0417 |
| .878 | -.3359 | -.1415 | -.0933 | -.1432 |

BETA ( 3 ) = -.030 ALPHA ( 6 ) = 10.400 Q(PSF) = 42.928 PO/PSF = 2120.6 RUN NO = 107.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3068 | -.3361 | -.3860 | -.4101 |
| .230 | -.6167 | -.2913 | -.2655 | -.4652 |
| .410 | -.4256 | -.0210 | -.0090 | -.1260 |
| .590 | -.3068 | .0288  | .0615  | .0615  |
| .770 | -.3017 | -.0451 | .0116  | .0236  |
| .878 | -.3223 | -.1260 | .0451  | -.0727 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 OR3

MAIN GEAR DOOR OUTER SURFACE

(RFFM21)

BETA ( 4 ) = 5.000 ALPHA ( 1 ) = .070 Q(PSF) = 42.917 PO/PSF = 2120.5 RUN NO = 108.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.8238 | -.7032 | -.6980 | -.7687 |
| .230 | -.3587 | -.3380 | -.3139 | -.4396 |
| .410 | -.3793 | -.1123 | -.1537 | -.3552 |
| .590 | -.3535 | -.1761 | -.1967 | -.2622 |
| .770 | -.4483 | -.2484 | -.2588 | -.3001 |
| .878 | -.5189 | -.3070 | -.2967 | -.3363 |

BETA ( 4 ) = 5.000 ALPHA ( 2 ) = 2.140 Q(PSF) = 42.917 PO/PSF = 2120.5 RUN NO = 108.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7825 | -.6808 | -.7187 | -.8617 |
| .230 | -.7119 | -.3484 | -.3294 | -.5723 |
| .410 | -.4345 | -.0865 | -.1089 | -.3139 |
| .590 | -.3725 | -.1468 | -.1416 | -.1899 |
| .770 | -.4362 | -.2191 | -.2088 | -.2312 |
| .878 | -.4931 | -.2777 | -.2484 | -.2812 |

BETA ( 4 ) = 5.000 ALPHA ( 3 ) = 4.160 Q(PSF) = 42.917 PO/PSF = 2120.5 RUN NO = 108.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.8056 | -.5953 | -.7384 | -.8505 |
| .230 | -.9936 | -.3780 | -.3142 | -.5159 |
| .410 | -.5263 | -.0486 | -.0728 | -.2625 |
| .590 | -.3952 | -.1159 | -.1021 | -.1297 |
| .770 | -.4314 | -.1969 | -.1642 | -.1745 |
| .878 | -.4694 | -.2607 | -.2021 | -.2331 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM21)

BETA ( 4 ) = 5.000 ALPHA ( 4 ) = 6.250 Q(PSF) = 42.917 PO/PSF = 2120.5 RUN NO = 108.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5148 | -.5752 | -.7547 | -.7927 |
| .230 | -.8169 | -.4509 | -.3681 | -.4595 |
| .410 | -.5441 | -.0521 | -.0487 | -.2179 |
| .590 | -.4060 | -.1108 | -.0660 | -.0815 |
| .770 | -.4112 | -.2075 | -.1298 | -.1281 |
| .878 | -.4440 | -.2766 | -.1644 | -.1799 |

BETA ( 4 ) = 5.000 ALPHA ( 5 ) = 8.320 Q(PSF) = 42.917 PO/PSF = 2120.5 RUN NO = 108.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | .2478  | .2892  | -.4208 | -.3192 |
| .230 | .0314  | .0062  | .0857  | -.5035 |
| .410 | -.2448 | -.0809 | .1374  | -.7034 |
| .590 | .2292  | .2395  | .1873  | -.5208 |
| .770 | .2551  | .2488  | .2044  | -.4191 |
| .878 | .2582  | .2665  | .1821  | -.4105 |

BETA ( 4 ) = 5.000 ALPHA ( 6 ) = 10.390 Q(PSF) = 42.917 PO/PSF = 2120.5 RUN NO = 108.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4944 | -.4995 | -.4772 | -.4875 |
| .230 | -.7801 | -.4944 | -.5374 | -.4823 |
| .410 | -.6751 | -.1932 | -.2792 | -.3842 |
| .590 | -.5219 | -.1673 | -.0520 | -.0675 |
| .770 | -.4582 | -.2861 | -.0296 | .0185  |
| .878 | -.4324 | -.3859 | -.0692 | -.0348 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM21)

BETA ( 5 ) = 10.020 ALPHA ( 1 ) = .040 Q(PSF) = 42.895 PO/PSF = 2120.6 RUN NO = 109.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |         |        |        |        |
|------|---------|--------|--------|--------|
| .050 | -.8827  | -.7759 | -.8707 | -.6932 |
| .230 | -1.0568 | -.3433 | -.2882 | -.5122 |
| .410 | -.5708  | -.1434 | -.1830 | -.3330 |
| .590 | -.4588  | -.2261 | -.2192 | -.2347 |
| .770 | -.5174  | -.3123 | -.2692 | -.2899 |
| .878 | -.5691  | -.3726 | -.2951 | -.3209 |

BETA ( 5 ) = 10.020 ALPHA ( 2 ) = 2.120 Q(PSF) = 42.895 PO/PSF = 2120.6 RUN NO = 109.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |         |        |        |        |
|------|---------|--------|--------|--------|
| .050 | -.7525  | -.7646 | -.9126 | -.7904 |
| .230 | -1.0159 | -.3997 | -.3153 | -.5718 |
| .410 | -.6045  | -.1312 | -.1742 | -.3239 |
| .590 | -.4582  | -.2517 | -.1931 | -.2138 |
| .770 | -.4840  | -.3549 | -.2448 | -.2534 |
| .878 | -.5150  | -.4169 | -.2671 | -.2740 |

BETA ( 5 ) = 10.020 ALPHA ( 3 ) = 4.190 Q(PSF) = 42.895 PO/PSF = 2120.6 RUN NO = 109.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |         |        |
|------|--------|--------|---------|--------|
| .050 | -.7132 | -.7908 | -1.0238 | -.7270 |
| .230 | -.7373 | -.5716 | -.3404  | -.5309 |
| .410 | -.5699 | -.2075 | -.1902  | -.3179 |
| .590 | -.4681 | -.3024 | -.1919  | -.1919 |
| .770 | -.4698 | -.3990 | -.2265  | -.2178 |
| .878 | -.4784 | -.4491 | -.2420  | -.2230 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM21)

BETA ( 5 ) = 10.010 ALPHA ( 4 ) = 6.250 Q(P5F) = 42.895 PO/PSF = 2120.6 RUN NO = 109.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |         |         |
|------|--------|--------|---------|---------|
| .050 | -.7086 | -.8295 | -1.0489 | -1.1560 |
| .230 | -.6620 | -.8243 | -.5773  | -.6931  |
| .410 | -.7000 | -.3977 | -.1662  | -.3096  |
| .590 | -.5393 | -.3303 | -.1334  | -.1299  |
| .770 | -.4599 | -.4011 | -.1610  | -.1610  |
| .878 | -.4236 | -.4616 | -.2007  | -.1852  |

BETA ( 5 ) = 10.010 ALPHA ( 5 ) = 8.360 Q(P5F) = 42.895 PO/PSF = 2120.6 RUN NO = 109.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6948 | -.7017 | -.6793 | -.6793 |
| .230 | -.8860 | -.7137 | -.7465 | -.7120 |
| .410 | -.8326 | -.4932 | -.4932 | -.6086 |
| .590 | -.6982 | -.5397 | -.1899 | -.1916 |
| .770 | -.5621 | -.5965 | -.0968 | -.0434 |
| .878 | -.4621 | -.5948 | -.1227 | -.0589 |

BETA ( 5 ) = 10.010 ALPHA ( 6 ) = 10.420 Q(P5F) = 42.895 PO/PSF = 2120.6 RUN NO = 109.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6575 | -.6747 | -.6644 | -.6506 |
| .230 | -.7972 | -.7040 | -.7178 | -.6850 |
| .410 | -.7782 | -.6557 | -.5626 | -.6609 |
| .590 | -.7006 | -.6954 | -.2177 | -.2729 |
| .770 | -.5229 | -.6644 | -.0538 | -.0055 |
| .878 | -.4332 | -.6437 | -.0866 | -.0142 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM22) ( 03 FEB 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0405

## PARAMETRIC DATA

MACH = .170 ELEVON = 5.000  
 BDFLAP = .000 SPOBRK = 25.000  
 PHI-N = 66.000 THETAN = 108.000  
 PHI-M = 88.000 THETAM = 98.000

BETA ( 1 ) = -10.020 ALPHA ( 1 ) = .060 Q(PSF) = 43.010 PO/PSF = 2120.8 RUN NO = 110.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.0348 .0943 .1649 .1407  
 .230 -.1020 -.0227 -.0296 -.0865  
 .410 -.0985 -.0520 -.0710 -.1192  
 .590 -.0623 -.0865 -.0951 -.1088  
 .770 -.1261 -.1329 -.1467 -.1674  
 .878 -.2035 -.1967 -.1812 -.1984

BETA ( 1 ) = -10.020 ALPHA ( 2 ) = 2.110 Q(PSF) = 43.010 PO/PSF = 2120.8 RUN NO = 110.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.0862 -.0519 .1490 .1661  
 .230 -.0313 .0270 .0184 -.0330  
 .410 -.0313 -.0021 -.0192 -.0656  
 .590 -.0021 -.0381 -.0450 -.0622  
 .770 -.0742 -.0897 -.1034 -.1172  
 .878 -.1549 -.1567 -.1395 -.1515

BETA ( 1 ) = -10.020 ALPHA ( 3 ) = 4.160 Q(PSF) = 43.010 PO/PSF = 2120.8 RUN NO = 110.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.1177 -.2315 -.1125 .1995  
 .230 .0358 .0789 .0720 .0254  
 .410 .0340 .0513 .0340 -.0124  
 .590 .0478 .0116 .0030 -.0107  
 .770 -.0245 -.0435 -.0521 -.0573  
 .878 -.1073 -.1125 -.0935 -.1056

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM22)

BETA ( 1 ) = -10.020 ALPHA ( 4 ) = 6.230 Q(PSF) = 43.010 PO/PSF = 2120.8 RUN NO = 110.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0912 | -.2489 | -.2558 | .2204  |
| .230 | .0973  | .1350  | .1333  | .0458  |
| .410 | .0887  | .1007  | .0973  | .0681  |
| .590 | .0973  | .0630  | .0595  | .0561  |
| .770 | .0235  | .0047  | -.0072 | -.0072 |
| .878 | -.0638 | -.0706 | -.0535 | -.0672 |

BETA ( 1 ) = -10.020 ALPHA ( 5 ) = 8.290 Q(PSF) = 43.010 PO/PSF = 2120.8 RUN NO = 110.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0691 | -.1912 | -.1998 | .1732  |
| .230 | .1474  | .1818  | .2006  | .1044  |
| .410 | .1457  | .1509  | .1526  | .1096  |
| .590 | .1423  | .1113  | .1130  | .1113  |
| .770 | .0666  | .0477  | .0460  | .0528  |
| .878 | -.0244 | -.0296 | -.0107 | -.0227 |

BETA ( 1 ) = -10.020 ALPHA ( 6 ) = 10.380 Q(PSF) = 43.010 PO/PSF = 2120.8 RUN NO = 110.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0399 | -.1164 | -.1310 | -.1000 |
| .230 | .1817  | .2159  | .2107  | .1370  |
| .410 | .1919  | .2022  | .2107  | .1577  |
| .590 | .1817  | .1594  | .1680  | .1697  |
| .770 | .0992  | .0906  | .0941  | .1130  |
| .878 | .0133  | .0150  | .0391  | .0202  |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM22)

BETA ( 2 ) = -5.020 ALPHA ( 1 ) = .020 Q(PSF) = 42.915 PO/PSF = 2120.6 RUN NO = 111.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5373 | -.5148 | -.5511 | .0289  |
| .230 | -.0452 | -.0314 | -.0642 | -.1247 |
| .410 | -.0556 | -.0746 | -.1005 | -.1419 |
| .590 | -.0504 | -.1143 | -.1471 | -.2282 |
| .770 | -.1264 | -.1644 | -.1972 | -.2282 |
| .878 | -.2127 | -.2248 | -.2196 | -.2386 |

BETA ( 2 ) = -5.020 ALPHA ( 2 ) = 2.100 Q(PSF) = 42.915 PO/PSF = 2120.6 RUN NO = 111.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4941 | -.4288 | -.5251 | .0494  |
| .230 | .0116  | .0150  | .0133  | -.0726 |
| .410 | -.0004 | -.0193 | -.0382 | -.1087 |
| .590 | -.0055 | -.0657 | -.0915 | -.1552 |
| .770 | -.0967 | -.1242 | -.1518 | -.1827 |
| .878 | -.1844 | -.1862 | -.1827 | -.2120 |

BETA ( 2 ) = -5.020 ALPHA ( 3 ) = 4.150 Q(PSF) = 42.915 PO/PSF = 2120.6 RUN NO = 111.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4603 | -.3690 | -.4224 | -.0055 |
| .230 | .0495  | .0271  | .0805  | -.0503 |
| .410 | .0478  | .0357  | .0202  | -.0762 |
| .590 | .0306  | -.0141 | -.0296 | -.0727 |
| .770 | -.0727 | -.0813 | -.1054 | -.1485 |
| .878 | -.1847 | -.1502 | -.1485 | -.1967 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM22)

BETA ( 2 ) = -5.020 ALPHA ( 4 ) = 6.220 Q(PSF) = 42.915 PO/PSF = 2120.6 RUN NO = 111.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4436 | -.3350 | -.3557 | -.2781 |
| .230 | .0634  | .0202  | .0651  | -.0090 |
| .410 | .0547  | .0858  | .0772  | -.0297 |
| .590 | .0271  | .0323  | .0254  | -.0107 |
| .770 | -.1332 | -.0418 | -.0521 | -.0849 |
| .878 | -.2280 | -.1125 | -.1004 | -.1521 |

BETA ( 2 ) = -5.020 ALPHA ( 5 ) = 8.290 Q(PSF) = 42.915 PO/PSF = 2120.6 RUN NO = 111.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4194 | -.2970 | -.3142 | -.4349 |
| .230 | .0599  | .0151  | .0151  | -.0573 |
| .410 | .0013  | .1341  | .1323  | .0099  |
| .590 | -.0090 | .0737  | .0823  | .0513  |
| .770 | -.1228 | .0030  | .0013  | -.0262 |
| .878 | -.1952 | -.0711 | -.0521 | -.1176 |

BETA ( 2 ) = -5.020 ALPHA ( 6 ) = 10.380 Q(PSF) = 42.915 PO/PSF = 2120.6 RUN NO = 111.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3516 | -.2551 | -.3102 | -.4359 |
| .230 | -.0572 | -.0107 | -.0038 | -.0503 |
| .410 | -.0348 | .1648  | .1734  | .0529  |
| .590 | -.0313 | .1097  | .1287  | .1097  |
| .770 | -.1157 | .0357  | .0529  | .0340  |
| .878 | -.1708 | -.0365 | -.0072 | -.0641 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM22)

BETA ( 3 ) = .010 ALPHA ( 1 ) = .010 Q(PSF) = 43.015 PO/PSF = 2120.6 RUN NO = 112.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7240 | -.5457 | -.6297 | -.1941 |
| .230 | -.0398 | -.1393 | -.0690 | -.1804 |
| .410 | -.0655 | -.0758 | -.1170 | -.2782 |
| .590 | -.1118 | -.1358 | -.1753 | -.2698 |
| .770 | -.2919 | -.2010 | -.2438 | -.2987 |
| .878 | -.3845 | -.2644 | -.2730 | -.3107 |

BETA ( 3 ) = .010 ALPHA ( 2 ) = 2.090 Q(PSF) = 43.015 PO/PSF = 2120.6 RUN NO = 112.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6770 | -.5241 | -.5585 | -.4726 |
| .230 | -.0519 | -.1601 | -.1017 | -.1979 |
| .410 | -.1189 | -.0296 | -.0639 | -.2253 |
| .590 | -.1549 | -.0914 | -.1171 | -.1875 |
| .770 | -.2992 | -.1669 | -.1893 | -.2442 |
| .878 | -.3833 | -.2322 | -.2305 | -.2734 |

BETA ( 3 ) = .010 ALPHA ( 3 ) = 4.140 Q(PSF) = 43.015 PO/PSF = 2120.6 RUN NO = 112.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6391 | -.5082 | -.5220 | -.6477 |
| .230 | -.1278 | -.1777 | -.1674 | -.2603 |
| .410 | -.1915 | .0082  | -.0124 | -.1794 |
| .590 | -.1966 | -.0589 | -.0623 | -.1157 |
| .770 | -.3034 | -.1329 | -.1364 | -.1846 |
| .878 | -.3688 | -.2018 | -.1863 | -.2397 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM22)

BETA ( 3 ) = .010 ALPHA ( 4 ) = 6.200 Q(PSF) = 43.015 PO/PSF = 2120.6 RUN NO = 112.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5621 | -.4691 | -.5346 | -.6638 |
| .230 | -.3467 | -.1882 | -.1796 | -.3381 |
| .410 | -.2537 | .0357  | .0254  | -.1434 |
| .590 | -.2227 | -.0228 | -.0124 | -.0521 |
| .770 | -.2967 | -.1020 | -.0900 | -.1158 |
| .878 | -.3519 | -.1692 | .1417  | -.1830 |

BETA ( 3 ) = .010 ALPHA ( 5 ) = 8.290 Q(PSF) = 43.015 PO/PSF = 2120.6 RUN NO = 112.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3377 | -.3773 | -.5082 | -.6183 |
| .230 | -.6046 | -.2861 | -.2758 | -.3274 |
| .410 | -.3567 | .0460  | .0718  | -.1260 |
| .590 | -.2603 | .0219  | .0460  | .0202  |
| .770 | -.2895 | -.0540 | -.0331 | -.0382 |
| .878 | -.3326 | -.1329 | -.0899 | -.1363 |

BETA ( 3 ) = .010 ALPHA ( 6 ) = 10.370 Q(PSF) = 43.015 PO/PSF = 2120.6 RUN NO = 112.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3011 | -.3355 | -.3836 | -.4076 |
| .230 | -.6070 | -.2891 | -.2667 | -.4661 |
| .410 | -.4783 | -.0244 | -.0089 | -.1258 |
| .590 | -.3063 | .0322  | .0614  | .0614  |
| .770 | -.3028 | -.0433 | .0150  | .0236  |
| .878 | -.3200 | -.1224 | -.0399 | -.0691 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM22)

BETA ( 4 ) = 5.040 ALPHA ( 1 ) = .000 Q(PSF) = 42.905 PO/PSF = 2120.6 RUN NO = 113.00

SECTION ( 1 ) MAIN LND GR DR-0 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.8267 | -.7030 | -.7013 | -.7717 |
| .230 | -.3680 | -.3388 | -.3199 | -.4453 |
| .410 | -.3800 | -.1103 | -.1533 | -.3525 |
| .590 | -.3525 | -.1739 | -.1928 | -.2598 |
| .770 | -.4436 | -.2443 | -.2563 | -.2976 |
| .878 | -.5140 | -.3027 | -.2924 | -.3285 |

BETA ( 4 ) = 5.040 ALPHA ( 2 ) = 2.080 Q(PSF) = 42.905 PO/PSF = 2120.6 RUN NO = 113.00

SECTION ( 1 ) MAIN LND GR DR-0 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7838 | -.6736 | -.7201 | -.8647 |
| .230 | -.7338 | -.3482 | -.3275 | -.5840 |
| .410 | -.4394 | -.0847 | -.1088 | -.3154 |
| .590 | -.3723 | -.1450 | -.1415 | -.1898 |
| .770 | -.4377 | -.2173 | -.2035 | -.2242 |
| .878 | -.4911 | -.2758 | -.2448 | -.2758 |

BETA ( 4 ) = 5.030 ALPHA ( 3 ) = 4.170 Q(PSF) = 42.905 PO/PSF = 2120.6 RUN NO = 113.00

SECTION ( 1 ) MAIN LND GR DR-0 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6033 | -.5930 | -.7360 | -.8497 |
| .230 | -.9824 | -.3863 | -.3139 | -.5155 |
| .410 | -.5344 | -.0417 | -.0693 | -.2605 |
| .590 | -.3983 | -.1141 | -.0968 | -.1244 |
| .770 | -.4276 | -.1881 | -.1606 | -.1709 |
| .878 | -.4690 | -.2553 | -.1985 | -.2260 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM22)

BETA ( 4 ) = 5.030 ALPHA ( 4 ) = 6.220 Q(PSF) = 42.905 PO/PSF = 2120.6 RUN NO = 113.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5085 | -.5724 | -.7504 | -.7971 |
| .230 | -.8040 | -.4532 | -.3633 | -.4532 |
| .410 | -.5378 | -.0436 | -.0487 | -.2181 |
| .590 | -.4065 | -.1110 | -.0608 | -.0781 |
| .770 | -.4099 | -.2026 | -.1248 | -.1213 |
| .878 | -.4376 | -.2700 | -.1576 | -.1749 |

BETA ( 4 ) = 5.030 ALPHA ( 5 ) = 8.280 Q(PSF) = 42.905 PO/PSF = 2120.6 RUN NO = 113.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4991 | -.5785 | -.7407 | -.8822 |
| .230 | -.7010 | -.4853 | -.4353 | -.4715 |
| .410 | -.5267 | -.1246 | -.0366 | -.1988 |
| .590 | -.4180 | -.1540 | -.0280 | -.0297 |
| .770 | -.4076 | -.2454 | -.0728 | -.0694 |
| .878 | -.4145 | -.3162 | -.1091 | -.1194 |

BETA ( 4 ) = 5.030 ALPHA ( 6 ) = 10.350 Q(PSF) = 42.905 PO/PSF = 2120.6 RUN NO = 113.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4873 | -.4977 | -.4822 | -.4752 |
| .230 | -.7826 | -.4925 | -.5322 | -.4770 |
| .410 | -.6704 | -.1972 | -.2818 | -.3899 |
| .590 | -.5184 | -.1661 | -.0504 | -.0712 |
| .770 | -.4562 | -.2887 | -.0314 | .0151  |
| .878 | -.4252 | -.3820 | -.0625 | -.0245 |

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OF POOR QUALITY



0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM22)

BETA ( 5 ) = 10.060 ALPHA ( 1 ) = .030 Q(PSF) = 42.840 PO/PSF = 2120.7 RUN NO = 114.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |         |        |        |        |
|------|---------|--------|--------|--------|
| .050 | -.8616  | -.7770 | -.8616 | -.6976 |
| .230 | -1.0721 | -.3369 | -.2869 | -.5112 |
| .410 | -.5647  | -.1402 | -.1798 | -.3283 |
| .590 | -.4560  | -.2213 | -.2109 | -.2299 |
| .770 | -.5147  | -.3110 | -.2644 | -.2834 |
| .878 | -.5630  | -.3714 | -.2886 | -.3162 |

BETA ( 5 ) = 10.060 ALPHA ( 2 ) = 2.090 Q(PSF) = 42.840 PO/PSF = 2120.7 RUN NO = 114.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7651 | -.7651 | -.9119 | -.7703 |
| .230 | -.9999 | -.3853 | -.3094 | -.5683 |
| .410 | -.6028 | -.1298 | -.1730 | -.3249 |
| .590 | -.4596 | -.2490 | -.1920 | -.2092 |
| .770 | -.4820 | -.3543 | -.2438 | -.2524 |
| .878 | -.5096 | -.4164 | -.2628 | -.2662 |

BETA ( 5 ) = 10.060 ALPHA ( 3 ) = 4.150 Q(PSF) = 42.840 PO/PSF = 2120.7 RUN NO = 114.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |         |        |
|------|--------|--------|---------|--------|
| .050 | -.7057 | -.7921 | -1.0168 | -.7316 |
| .230 | -.7281 | -.5898 | -.3305  | -.5414 |
| .410 | -.5708 | -.2078 | -.1888  | -.3133 |
| .590 | -.4567 | -.2925 | -.1871  | -.1871 |
| .770 | -.4602 | -.3928 | -.2199  | -.2113 |
| .878 | -.4723 | -.4412 | -.2337  | -.2147 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM22)

BETA ( 5 ) = 10.060 ALPHA ( 4 ) = 6.240 Q(PSF) = 42.840 PO/PSF = 2120.7 RUN NO = 114.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |         |         |
|------|--------|--------|---------|---------|
| .050 | -.7106 | -.8160 | -1.0511 | -1.1323 |
| .230 | -.6640 | -.8057 | -.5793  | -.6812  |
| .410 | -.6882 | -.4117 | -.1714  | -.3149  |
| .590 | -.5482 | -.3460 | -.1248  | -.1248  |
| .770 | -.4531 | -.4099 | -.1524  | -.1490  |
| .878 | -.4151 | -.4566 | -.1887  | -.1784  |

BETA ( 5 ) = 10.060 ALPHA ( 5 ) = 8.290 Q(PSF) = 42.840 PO/PSF = 2120.7 RUN NO = 114.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6888 | -.7026 | -.6802 | -.6837 |
| .230 | -.8907 | -.7130 | -.7492 | -.7095 |
| .410 | -.8217 | -.4990 | -.4887 | -.6198 |
| .590 | -.7026 | -.5180 | -.1902 | -.2022 |
| .770 | -.5508 | -.5922 | -.0935 | -.0349 |
| .878 | -.4507 | -.5957 | -.1194 | -.0573 |

BETA ( 5 ) = 10.060 ALPHA ( 6 ) = 10.370 Q(PSF) = 42.840 PO/PSF = 2120.7 RUN NO = 114.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6540 | -.6695 | -.6609 | -.6575 |
| .230 | -.7937 | -.7006 | -.7195 | -.6782 |
| .410 | -.7713 | -.6575 | -.5574 | -.6592 |
| .590 | -.6902 | -.6989 | -.2159 | -.2729 |
| .770 | -.5195 | -.6644 | -.0555 | -.0055 |
| .878 | -.4298 | -.6368 | -.0918 | -.0090 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM23) ( 03 FEB 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0405

## PARAMETRIC DATA

MACH = .170 ELEVON = 10.000  
 BOFLAP = .000 SPDBRK = 25.000  
 PHI-N = 66.000 THETAN = 109.000  
 PHI-M = 88.000 THETAM = 99.000

BETA ( 1 ) = -10.040 ALPHA ( 1 ) = .110 Q(PSF) = 42.903 PO/PSF = 2117.9 RUN NO = 135.00

SECTION ( 1 ) MAIN LND GR DR-O DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

## X/CML

.050 -.0401 .0962 .1738 .1411  
 .230 -.0901 -.0107 -.0159 -.0728  
 .410 -.0815 -.0383 -.0556 -.1091  
 .590 -.0521 -.0694 -.0798 -.0936  
 .770 -.1056 -.1160 -.1298 -.1488  
 .878 -.1868 -.1816 -.1626 -.1798

BETA ( 1 ) = -10.040 ALPHA ( 2 ) = 2.170 Q(PSF) = 42.903 PO/PSF = 2117.9 RUN NO = 135.00

SECTION ( 1 ) MAIN LND GR DR-O DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

## X/CML

.050 -.0900 -.0641 .1339 .1753  
 .230 -.0159 .0392 .0306 -.0176  
 .410 -.0141 .0133 -.0038 -.0521  
 .590 .0047 -.0210 -.0296 -.0434  
 .770 -.0555 -.0710 -.0813 -.0969  
 .878 -.1365 -.1365 -.1175 -.1330

BETA ( 1 ) = -10.040 ALPHA ( 3 ) = 4.240 Q(PSF) = 42.903 PO/PSF = 2117.9 RUN NO = 135.00

SECTION ( 1 ) MAIN LND GR DR-O DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

## X/CML

.050 -.1072 -.2381 -.1416 .2095  
 .230 .0478 .0909 .0857 .0357  
 .410 .0478 .0633 .0495 .0013  
 .590 .0547 .0288 .0219 .0082  
 .770 -.0055 -.0245 -.0348 -.0365  
 .878 -.0882 -.0917 -.0744 -.0865

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM23)

BETA ( 1 ) = -10.040 ALPHA ( 4 ) = 6.300 Q(PSF) = 42.903 PO/PSF = 2117.9 RUN NO = 135.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0763 | -.2384 | -.2470 | .2252  |
| .230 | .1117  | .1462  | .1513  | .0582  |
| .410 | .1065  | .1151  | .1117  | .0823  |
| .590 | .1048  | .0772  | .0789  | .0720  |
| .770 | .0409  | .0220  | .0116  | .0133  |
| .878 | -.0452 | -.0487 | -.0349 | -.0504 |

BETA ( 1 ) = -10.040 ALPHA ( 5 ) = 8.370 Q(PSF) = 42.903 PO/PSF = 2117.9 RUN NO = 135.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0555 | -.1745 | -.1831 | .1444  |
| .230 | .1616  | .1926  | .2149  | .1168  |
| .410 | .1616  | .1685  | .1685  | .1220  |
| .590 | .1530  | .1289  | .1306  | .1306  |
| .770 | .0858  | .0651  | .0651  | .0754  |
| .878 | -.0021 | -.0055 | .0099  | -.0055 |

BETA ( 1 ) = -10.040 ALPHA ( 6 ) = 10.450 Q(PSF) = 42.903 PO/PSF = 2117.9 RUN NO = 135.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0279 | -.1295 | -.1174 | -.1261 |
| .230 | .1940  | .2214  | .2129  | .1494  |
| .410 | .2060  | .2180  | .2283  | .1734  |
| .590 | .1906  | .1752  | .1854  | .1872  |
| .770 | .1166  | .1132  | .1166  | .1356  |
| .878 | .0323  | .0391  | .0598  | .0443  |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM23)

BETA ( 2 ) = -5.030 ALPHA ( 1 ) = .100 Q(PSF) = 42.937 PO/PSF = 2117.8 RUN NO = 136.00

SECTION ( 1 ) MAIN LND GR DR-0 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5283 | -.4920 | -.5403 | .0409  |
| .230 | -.0280 | -.0159 | -.0469 | -.1073 |
| .410 | -.0366 | -.0556 | -.0832 | -.1263 |
| .590 | -.0349 | -.0952 | -.1263 | -.2091 |
| .770 | -.1056 | -.1435 | -.1763 | -.2022 |
| .878 | -.1901 | -.2005 | -.1970 | -.2160 |

BETA ( 2 ) = -5.030 ALPHA ( 2 ) = 2.160 Q(PSF) = 42.937 PO/PSF = 2117.8 RUN NO = 136.00

SECTION ( 1 ) MAIN LND GR DR-0 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4963 | -.4119 | -.5015 | .0581  |
| .230 | .0237  | .0237  | .0305  | -.0606 |
| .410 | .0168  | -.0021 | -.0245 | -.1037 |
| .590 | .0047  | -.0469 | -.0675 | -.1088 |
| .770 | -.0779 | -.1020 | -.1330 | -.1708 |
| .878 | -.1657 | -.1657 | -.1674 | -.2087 |

BETA ( 2 ) = -5.030 ALPHA ( 3 ) = 4.260 Q(PSF) = 42.937 PO/PSF = 2117.8 RUN NO = 136.00

SECTION ( 1 ) MAIN LND GR DR-0 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4429 | -.3568 | -.4067 | -.0451 |
| .230 | .0598  | .0391  | .0891  | -.0348 |
| .410 | .0632  | .0529  | .0409  | -.0520 |
| .590 | .0391  | .0047  | -.0124 | -.0537 |
| .770 | -.0606 | -.0589 | -.0813 | -.1209 |
| .878 | -.1674 | -.1260 | -.1243 | -.1708 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

PAGE 927

OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM23)

BETA ( 2 ) = -5.030 ALPHA ( 4 ) = 6.290 Q(PSF) = 42.937 PO/PSF = 2117.8 RUN NO = 136.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4195 | -.3177 | -.3384 | -.3039 |
| .230 | .0754  | .0323  | .0651  | -.0038 |
| .410 | .0616  | .1030  | .0961  | -.0142 |
| .590 | .0220  | .0513  | .0444  | .0116  |
| .770 | -.1176 | -.0193 | -.0280 | -.0607 |
| .878 | -.2056 | -.0900 | -.0745 | -.1280 |

BETA ( 2 ) = -5.030 ALPHA ( 5 ) = 8.390 Q(PSF) = 42.937 PO/PSF = 2117.8 RUN NO = 136.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4019 | -.2847 | -.2951 | -.4347 |
| .230 | .0530  | .0185  | .0064  | -.0521 |
| .410 | .0082  | .1460  | .1478  | .0288  |
| .590 | -.0038 | .0892  | .1012  | .0719  |
| .770 | -.1055 | .0219  | .0237  | -.0038 |
| .878 | -.1727 | -.0521 | -.0297 | -.0917 |

BETA ( 2 ) = -5.030 ALPHA ( 6 ) = 10.460 Q(PSF) = 42.937 PO/PSF = 2117.8 RUN NO = 136.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3149 | -.2324 | -.2977 | -.4231 |
| .230 | -.0811 | -.0193 | -.0038 | -.0330 |
| .410 | -.0382 | .1765  | .1817  | .0649  |
| .590 | -.0227 | .1284  | .1508  | .1267  |
| .770 | -.0932 | .0563  | .0734  | .0666  |
| .878 | -.1464 | -.0124 | .0184  | -.0330 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

PAGE 928

0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM23)

BETA ( 3 ) = -.010 ALPHA ( 1 ) = .090 Q(PSF) = 42.953 PO/PSF = 2117.8 RUN NO = 137.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7058 | -.5338 | -.6112 | -.2292 |
| .230 | -.0330 | -.1311 | -.0623 | -.1707 |
| .410 | -.0571 | -.0606 | -.1019 | -.2602 |
| .590 | -.1122 | -.1191 | -.1552 | -.2516 |
| .770 | -.2757 | -.1845 | -.2206 | -.2774 |
| .878 | -.3669 | -.2447 | -.2516 | -.2894 |

BETA ( 3 ) = -.010 ALPHA ( 2 ) = 2.160 Q(PSF) = 42.953 PO/PSF = 2117.8 RUN NO = 137.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6549 | -.5120 | -.5430 | -.5016 |
| .230 | -.0486 | -.1571 | -.1089 | -.2036 |
| .410 | -.1227 | -.0141 | -.0486 | -.2088 |
| .590 | -.1571 | -.0796 | -.1003 | -.1640 |
| .770 | -.2880 | -.1485 | -.1674 | -.2191 |
| .878 | -.3638 | -.2122 | -.2071 | -.2519 |

BETA ( 3 ) = -.010 ALPHA ( 3 ) = 4.220 Q(PSF) = 42.953 PO/PSF = 2117.8 RUN NO = 137.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6197 | -.4993 | -.5096 | -.6559 |
| .230 | -.1432 | -.1724 | -.1707 | -.2602 |
| .410 | -.1879 | .0202  | .0013  | -.1655 |
| .590 | -.1948 | -.0399 | -.0451 | -.0950 |
| .770 | -.2660 | -.1156 | -.1156 | -.1569 |
| .878 | -.3496 | -.1810 | -.1638 | -.2154 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM23)

BETA ( 3 ) = -.010 ALPHA ( 4 ) = 6.300 Q(PSF) = 42.953 PO/PSF = 2117.8 RUN NO = 137.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5159 | -.4418 | -.5349 | -.6556 |
| .230 | -.3900 | -.2038 | -.1745 | -.3159 |
| .410 | -.2607 | .0461  | .0392  | -.1280 |
| .590 | -.2245 | -.0090 | .0064  | -.0297 |
| .770 | -.2797 | -.0814 | -.0659 | -.0866 |
| .878 | -.3331 | -.1469 | -.1176 | -.1555 |

BETA ( 3 ) = -.010 ALPHA ( 5 ) = 8.380 Q(PSF) = 42.953 PO/PSF = 2117.8 RUN NO = 137.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3065 | -.3615 | -.4802 | -.5816 |
| .230 | -.5627 | -.2807 | -.2704 | -.3391 |
| .410 | -.3581 | .0443  | .0735  | -.1190 |
| .590 | -.2566 | .0357  | .0632  | .0443  |
| .770 | -.2738 | -.0451 | -.0090 | -.0107 |
| .878 | -.3099 | -.1139 | -.0640 | -.1087 |

BETA ( 3 ) = -.010 ALPHA ( 6 ) = 10.450 Q(PSF) = 42.953 PO/PSF = 2117.8 RUN NO = 137.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2883 | -.3159 | -.3400 | -.3624 |
| .230 | -.5900 | -.2848 | -.2814 | -.4400 |
| .410 | -.4748 | -.0366 | -.0435 | -.1417 |
| .590 | -.3159 | .0426  | .0737  | .0582  |
| .770 | -.2883 | -.0279 | .0392  | .0461  |
| .878 | -.3055 | -.1055 | -.0159 | -.0331 |



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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM23)

BETA ( 4 ) = 5.030 ALPHA ( 1 ) = .110 Q(PSF) = 42.938 PO/PSF = 2117.8 RUN NO = 138.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.8092 | -.6905 | -.6905 | -.7885 |
| .230 | -.3945 | -.3325 | -.3205 | -.4512 |
| .410 | -.3772 | -.0984 | -.1380 | -.3359 |
| .590 | -.3531 | -.1604 | -.1776 | -.2361 |
| .770 | -.4289 | -.2275 | -.2361 | -.2705 |
| .878 | -.4943 | -.2843 | -.2705 | -.3050 |

BETA ( 4 ) = 5.030 ALPHA ( 2 ) = 2.160 Q(PSF) = 42.938 PO/PSF = 2117.8 RUN NO = 138.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7526 | -.6562 | -.7147 | -.8627 |
| .230 | -.7681 | -.3395 | -.3205 | -.5667 |
| .410 | -.4376 | -.0744 | -.0933 | -.2981 |
| .590 | -.3739 | -.1277 | -.1226 | -.1708 |
| .770 | -.4186 | -.1966 | -.1845 | -.2035 |
| .878 | -.4703 | -.2551 | -.2207 | -.2551 |

BETA ( 4 ) = 5.030 ALPHA ( 3 ) = 4.210 Q(PSF) = 42.938 PO/PSF = 2117.8 RUN NO = 138.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5620 | -.5689 | -.7292 | -.8481 |
| .230 | -.9669 | -.3949 | -.3139 | -.4983 |
| .410 | -.5293 | -.0314 | -.0589 | -.2467 |
| .590 | -.3966 | -.0986 | -.0831 | -.1089 |
| .770 | -.4070 | -.1778 | -.1434 | -.1468 |
| .878 | -.4432 | -.2398 | -.1795 | -.2019 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM23)

BETA ( 4 ) = 5.030 ALPHA ( 4 ) = 6.310 Q(PSF) = 42.938 PO/PSF = 2117.8 RUN NO = 138.00

SECTION ( 1 ) MAIN LND GR DR-0 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4989 | -.5679 | -.7439 | -.8094 |
| .230 | -.7939 | -.4437 | -.3661 | -.4403 |
| .410 | -.5248 | -.0487 | -.0366 | -.2039 |
| .590 | -.3971 | -.1004 | -.0504 | -.0607 |
| .770 | -.3868 | -.1018 | -.1039 | -.0987 |
| .878 | -.4127 | -.2678 | -.1366 | -.1487 |

BETA ( 4 ) = 5.040 ALPHA ( 5 ) = 8.380 Q(PSF) = 42.938 PO/PSF = 2117.8 RUN NO = 138.00

SECTION ( 1 ) MAIN LND GR DR-0 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4897 | -.5620 | -.7154 | -.8360 |
| .230 | -.6378 | -.4862 | -.4397 | -.5000 |
| .410 | -.5052 | -.1606 | -.0469 | -.1933 |
| .590 | -.4104 | -.1606 | -.0055 | -.0124 |
| .770 | -.3897 | -.2416 | -.0469 | -.0417 |
| .878 | -.3846 | -.3105 | -.0831 | -.0899 |

BETA ( 4 ) = 5.040 ALPHA ( 6 ) = 10.440 Q(PSF) = 42.938 PO/PSF = 2117.8 RUN NO = 138.00

SECTION ( 1 ) MAIN LND GR DR-0 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4688 | -.4774 | -.4550 | -.4567 |
| .230 | -.7253 | -.4808 | -.5032 | -.4653 |
| .410 | -.6444 | -.2208 | -.3069 | -.3861 |
| .590 | -.5153 | -.1898 | -.0503 | -.0813 |
| .770 | -.4395 | -.3034 | -.0055 | .0392  |
| .878 | -.3947 | -.3878 | -.0348 | .0064  |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM23)

BETA ( 5 ) = 10.060 ALPHA ( 1 ) = .120 Q(PSF) = 42.885 PO/PSF = 2117.9 RUN NO = 139.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |         |        |        |        |
|------|---------|--------|--------|--------|
| .050 | -.8247  | -.7608 | -.8593 | -.7141 |
| .230 | -1.0701 | -.3460 | -.2839 | -.5119 |
| .410 | -.5655  | -.1265 | -.1680 | -.3149 |
| .590 | -.4531  | -.2112 | -.1939 | -.2129 |
| .770 | -.4946  | -.2942 | -.2458 | -.2596 |
| .878 | -.5413  | -.3564 | -.2700 | -.2924 |

BETA ( 5 ) = 10.060 ALPHA ( 2 ) = 2.180 Q(PSF) = 42.885 PO/PSF = 2117.9 RUN NO = 139.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7543 | -.7561 | -.9027 | -.7785 |
| .230 | -.9476 | -.4041 | -.3057 | -.5611 |
| .410 | -.5853 | -.1298 | -.1694 | -.3161 |
| .590 | -.4455 | -.2488 | -.1781 | -.1919 |
| .770 | -.4541 | -.3403 | -.2229 | -.2264 |
| .878 | -.4783 | -.3989 | -.2402 | -.2419 |

BETA ( 5 ) = 10.060 ALPHA ( 3 ) = 4.240 Q(PSF) = 42.885 PO/PSF = 2117.9 RUN NO = 139.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |         |        |
|------|--------|--------|---------|--------|
| .050 | -.6994 | -.7855 | -1.0300 | -.7821 |
| .230 | -.6736 | -.5944 | -.3327  | -.5186 |
| .410 | -.5634 | -.2104 | -.1794  | -.3000 |
| .590 | -.4480 | -.2898 | -.1743  | -.1708 |
| .770 | -.4325 | -.3757 | -.2018  | -.1898 |
| .878 | -.4360 | -.4188 | -.2173  | -.1932 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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JA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM23)

BETA ( 5 ) = 10.060 ALPHA ( 4 ) = 6.320 Q(PSF) = 42.885 PO/PSF = 2117.9 RUN NO = 139.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |         |
|------|--------|--------|--------|---------|
| .050 | -.6974 | -.7682 | -.9890 | -1.0443 |
| .230 | -.6595 | -.7716 | -.6060 | -.7026  |
| .410 | -.6802 | -.4662 | -.2195 | -.3282  |
| .590 | -.5404 | -.3886 | -.1142 | -.1229  |
| .770 | -.4317 | -.4145 | -.1280 | -.1263  |
| .878 | -.3938 | -.4576 | -.1556 | -.1487  |

BETA ( 5 ) = 10.060 ALPHA ( 5 ) = 8.360 Q(PSF) = 42.885 PO/PSF = 2117.9 RUN NO = 139.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6573 | -.6746 | -.6556 | -.6487 |
| .230 | -.8108 | -.7022 | -.7194 | -.6953 |
| .410 | -.7832 | -.5280 | -.5125 | -.6211 |
| .590 | -.6746 | -.5487 | -.1918 | -.2038 |
| .770 | -.5022 | -.5797 | -.0676 | -.0245 |
| .878 | -.4108 | -.5746 | -.1004 | -.0297 |

BETA ( 5 ) = 10.060 ALPHA ( 6 ) = 10.450 Q(PSF) = 42.885 PO/PSF = 2117.9 RUN NO = 139.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6328 | -.6500 | -.6328 | -.6276 |
| .230 | -.7499 | -.6896 | -.6948 | -.6655 |
| .410 | -.7275 | -.6552 | -.5432 | -.6397 |
| .590 | -.6500 | -.7000 | -.2123 | -.2743 |
| .770 | -.4932 | -.6483 | -.0555 | .0013  |
| .878 | -.4174 | -.6155 | -.0917 | .0047  |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM24) ( 03 FEB 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0405

## PARAMETRIC DATA

MACH = .170 ELEVON = 10.000  
 BDFLAP = -11.700 SPDBRK = 85.000  
 PHI-N = 66.000 THETAN = 108.000  
 PHI-M = 88.000 THETAM = 98.000

BETA ( 1 ) = -10.030 ALPHA ( 1 ) = .080 Q(PSF) = 42.995 PO/PSF = 2125.0 RUN NO = 140.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.0382 .0873 .1665 .1424  
 .230 -.1002 -.0193 -.0262 -.0830  
 .410 -.0950 -.0486 -.0675 -.1174  
 .590 -.0640 -.0813 -.0899 -.1036  
 .770 -.1226 -.1277 -.1415 -.1622  
 .878 -.2000 -.1949 -.1759 -.1931

BETA ( 1 ) = -10.030 ALPHA ( 2 ) = 2.140 Q(PSF) = 42.995 PO/PSF = 2125.0 RUN NO = 140.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.0959 -.0606 .1442 .1684  
 .230 -.0262 .0288 .0219 -.0279  
 .410 -.0296 .0013 -.0141 -.0641  
 .590 -.0090 -.0314 -.0417 -.0572  
 .770 -.0675 -.0813 -.0968 -.1089  
 .878 -.1485 -.1485 -.1347 -.1468

BETA ( 1 ) = -10.040 ALPHA ( 3 ) = 4.190 Q(PSF) = 42.995 PO/PSF = 2125.0 RUN NO = 140.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.1225 -.2377 -.1242 .2006  
 .230 .0408 .0838 .0769 .0288  
 .410 .0374 .0529 .0391 -.0090  
 .590 .0460 .0167 .0133 -.0038  
 .770 -.0158 -.0348 -.0468 -.0502  
 .878 -.0984 -.1035 -.0863 -.1001

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM24)

BETA ( 1 ) = -10.030 ALPHA ( 4 ) = 6.280 Q(PSF) = 42.995 PO/PSF = 2125.0 RUN NO = 140.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0881 | -.2482 | -.2585 | .2230  |
| .230 | .1011  | .1389  | .1389  | .0512  |
| .410 | .0942  | .1062  | .1011  | .0718  |
| .590 | .0959  | .0684  | .0657  | .0598  |
| .770 | .0305  | .0099  | .0013  | -.0004 |
| .878 | -.0589 | -.0640 | -.0468 | -.0606 |

BETA ( 1 ) = -10.040 ALPHA ( 5 ) = 8.380 Q(PSF) = 42.995 PO/PSF = 2125.0 RUN NO = 140.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0501 | -.1823 | -.1926 | .1523  |
| .230 | .1541  | .1866  | .2105  | .1094  |
| .410 | .1523  | .1609  | .1626  | .1129  |
| .590 | .1438  | .1214  | .1232  | .1180  |
| .770 | .0768  | .0579  | .0562  | .0648  |
| .878 | -.0125 | -.0141 | .0030  | -.0158 |

BETA ( 1 ) = -10.040 ALPHA ( 6 ) = 10.420 Q(PSF) = 42.995 PO/PSF = 2125.0 RUN NO = 140.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0279 | -.1414 | -.1242 | -.1294 |
| .230 | .1870  | .2178  | .2127  | .1423  |
| .410 | .1990  | .2110  | .2212  | .1630  |
| .590 | .1836  | .1699  | .1750  | .1819  |
| .770 | .1079  | .1011  | .1045  | .1251  |
| .878 | .0254  | .0288  | .0494  | .0305  |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM24)

BETA ( 2 ) = -5.020 ALPHA ( 1 ) = .080 Q(PSF) = 42.977 PO/PSF = 2124.8 RUN NO = 141.00

SECTION ( 1 ) MAIN LND GR DR-0 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5335 | -.5060 | -.5473 | .0322  |
| .230 | -.0348 | -.0227 | -.0571 | -.1207 |
| .410 | -.0468 | -.0640 | -.0915 | -.1397 |
| .590 | -.0468 | -.1053 | -.1379 | -.2171 |
| .770 | -.1156 | -.1534 | -.1861 | -.2153 |
| .878 | -.2016 | -.2119 | -.2085 | -.2291 |

BETA ( 2 ) = -5.020 ALPHA ( 2 ) = 2.140 Q(PSF) = 42.977 PO/PSF = 2124.8 RUN NO = 141.00

SECTION ( 1 ) MAIN LND GR DR-0 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5050 | -.4275 | -.5188 | .0512  |
| .230 | .0150  | .0202  | .0202  | -.0693 |
| .410 | .0082  | -.0107 | -.0348 | -.1106 |
| .590 | -.0055 | -.0555 | -.0761 | -.1209 |
| .770 | -.0882 | -.1140 | -.1433 | -.1812 |
| .878 | -.1778 | -.1778 | -.1795 | -.2226 |

BETA ( 2 ) = -5.030 ALPHA ( 3 ) = 4.200 Q(PSF) = 42.977 PO/PSF = 2124.8 RUN NO = 141.00

SECTION ( 1 ) MAIN LND GR DR-0 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4586 | -.3673 | -.4190 | -.0279 |
| .230 | .0512  | .0288  | .0822  | -.0469 |
| .410 | .0512  | .0409  | .0254  | -.0693 |
| .590 | .0288  | -.0090 | -.0228 | -.0675 |
| .770 | -.0693 | -.0744 | -.0968 | -.1365 |
| .878 | -.1743 | -.1433 | -.1399 | -.1881 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUT'R SURFACE

(RFFM24)

BETA ( 2 ) = -5.030 ALPHA ( 4 ) = 6.260 Q(PSF) = 42.977 PO/PSF = 2124.8 RUN NO = 141.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4302 | -.3305 | -.3494 | -.2892 |
| .230 | .0683  | .0236  | .0597  | -.0107 |
| .410 | .0580  | .0924  | .0838  | -.0244 |
| .590 | .0219  | .0391  | .0339  | -.0004 |
| .770 | -.1242 | -.0313 | -.0416 | -.0743 |
| .878 | -.2170 | -.1018 | -.0898 | -.1448 |

BETA ( 2 ) = -5.030 ALPHA ( 5 ) = 8.330 Q(PSF) = 42.977 PO/PSF = 2124.8 RUN NO = 141.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4115 | -.2911 | -.3031 | -.4408 |
| .230 | .0580  | .0133  | .0150  | -.0571 |
| .410 | .0064  | .1389  | .1389  | .0185  |
| .590 | -.0090 | .0838  | .0924  | .0616  |
| .770 | -.1139 | .0099  | .0116  | -.0158 |
| .878 | -.1844 | -.0623 | -.0416 | -.1070 |

BETA ( 2 ) = -5.030 ALPHA ( 6 ) = 10.420 Q(PSF) = 42.977 PO/PSF = 2124.8 RUN NO = 141.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3412 | -.2431 | -.3088 | -.4342 |
| .230 | -.0554 | -.0124 | -.0072 | -.0417 |
| .410 | -.0365 | .1682  | .1802  | .0591  |
| .590 | -.0296 | .1200  | .1424  | .1200  |
| .770 | -.0985 | .0477  | .0650  | .0546  |
| .878 | -.1570 | -.0227 | .0064  | -.0503 |



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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM24)

BETA ( 3 ) = .010 ALPHA ( 1 ) = .070 Q(PSF) = 42.998 PO/PSF = 2124.8 RUN NO = 142.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7196 | -.5441 | -.6233 | -.2241 |
| .230 | -.0382 | -.1346 | -.0540 | -.1776 |
| .410 | -.0623 | -.0709 | -.1105 | -.2705 |
| .590 | -.1208 | -.1294 | -.1573 | -.2602 |
| .770 | -.2808 | -.1948 | -.2344 | -.2912 |
| .878 | -.3772 | -.2585 | -.2636 | -.2998 |

BETA ( 3 ) = .010 ALPHA ( 2 ) = 2.130 Q(PSF) = 42.998 PO/PSF = 2124.8 RUN NO = 142.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6727 | -.5197 | -.5592 | -.4904 |
| .230 | -.0485 | -.1603 | -.1001 | -.1981 |
| .410 | -.1190 | -.0244 | -.0571 | -.2205 |
| .590 | -.1620 | -.0881 | -.1104 | -.1775 |
| .770 | -.2996 | -.1603 | -.1809 | -.2342 |
| .878 | -.3735 | -.2273 | -.2205 | -.2652 |

BETA ( 3 ) = .000 ALPHA ( 3 ) = 4.180 Q(PSF) = 42.998 PO/PSF = 2124.8 RUN NO = 142.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6350 | -.5129 | -.5163 | -.6556 |
| .230 | -.1379 | -.1844 | -.1689 | -.2600 |
| .410 | -.1947 | .0099  | -.0107 | -.1775 |
| .590 | -.1999 | -.0537 | -.0588 | -.1121 |
| .770 | -.2979 | -.1276 | -.1293 | -.1741 |
| .878 | -.3615 | -.1947 | -.1792 | -.2308 |

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM24)

BETA ( 3 ) = .010 ALPHA ( 4 ) = 6.280 Q(PSF) = 42.998 PO/PSF = 2124.8 RUN NO = 142.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5526 | -.4545 | -.5354 | -.6644 |
| .230 | -.3823 | -.2016 | -.1844 | -.3324 |
| .410 | -.2670 | .0374  | .0305  | -.1397 |
| .590 | -.2292 | -.0193 | -.0038 | -.0416 |
| .770 | -.2928 | -.0915 | -.0812 | -.1036 |
| .878 | -.3462 | -.1604 | -.1328 | -.1724 |

BETA ( 3 ) = .010 ALPHA ( 5 ) = 8.360 Q(PSF) = 42.998 PO/PSF = 2124.8 RUN NO = 142.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3270 | -.3734 | -.4920 | -.5968 |
| .230 | -.5934 | -.2857 | -.2702 | -.3390 |
| .410 | -.3613 | .0391  | .0717  | -.1258 |
| .590 | -.2616 | .0270  | .0563  | .0339  |
| .770 | -.2823 | -.0536 | -.0227 | -.0261 |
| .878 | -.3201 | -.1241 | -.0760 | -.1258 |

BETA ( 3 ) = .000 ALPHA ( 6 ) = 10.420 Q(PSF) = 42.998 PO/PSF = 2124.8 RUN NO = 142.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2964 | -.3257 | -.3670 | -.3842 |
| .230 | -.5960 | -.2947 | -.2775 | -.4583 |
| .410 | -.4324 | -.0331 | -.0331 | -.1415 |
| .590 | -.3137 | .0357  | .0701  | .0615  |
| .770 | -.2930 | -.0365 | .0288  | .0374  |
| .878 | -.3085 | -.1157 | -.0262 | -.0486 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM24)

BETA ( 4 ) = 5.050 ALPHA ( 1 ) = .080 Q(PSF) = 42.985 PO/PSF = 2124.8 RUN NO = 143.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.8206 | -.7002 | -.6916 | -.7845 |
| .230 | -.3924 | -.3322 | -.3185 | -.4406 |
| .410 | -.3752 | -.1070 | -.1482 | -.3460 |
| .590 | -.3580 | -.1689 | -.1844 | -.2514 |
| .770 | -.4354 | -.2377 | -.2480 | -.2841 |
| .878 | -.5025 | -.2961 | -.2824 | -.3219 |

BETA ( 4 ) = 5.050 ALPHA ( 2 ) = 2.120 Q(PSF) = 42.985 PO/PSF = 2124.8 RUN NO = 143.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7707 | -.6710 | -.7191 | -.8635 |
| .230 | -.7311 | -.3425 | -.3271 | -.5729 |
| .410 | -.4354 | -.0795 | -.1052 | -.3047 |
| .590 | -.3804 | -.1379 | -.1328 | -.1826 |
| .770 | -.4268 | -.2084 | -.1954 | -.2187 |
| .878 | -.4835 | -.2669 | -.2342 | -.2686 |

BETA ( 4 ) = 5.050 ALPHA ( 3 ) = 4.200 Q(PSF) = 42.985 PO/PSF = 2124.8 RUN NO = 143.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5783 | -.5835 | -.7331 | -.8587 |
| .230 | -.9860 | -.3719 | -.3151 | -.5043 |
| .410 | -.5284 | -.0416 | -.0623 | -.2532 |
| .590 | -.3994 | -.1036 | -.0881 | -.1156 |
| .770 | -.4166 | -.1827 | -.1517 | -.1620 |
| .878 | -.4527 | -.2480 | -.1913 | -.2154 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM24)

BETA ( 4 ) = 5.050 ALPHA ( 4 ) = 6.280 Q(PSF) = 42.985 PO/PSF = 2124.8 RUN NO = 143.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5027 | -.5698 | -.7487 | -.8020 |
| .230 | -.7865 | -.4545 | -.3702 | -.4528 |
| .410 | -.5405 | -.0502 | -.0382 | -.2102 |
| .590 | -.4029 | -.1070 | -.0588 | -.0674 |
| .770 | -.3977 | -.1965 | -.1156 | -.1122 |
| .878 | -.4236 | -.2704 | -.1483 | -.1603 |

BETA ( 4 ) = 5.050 ALPHA ( 5 ) = 8.350 Q(PSF) = 42.985 PO/PSF = 2124.8 RUN NO = 143.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4949 | -.5725 | -.7276 | -.8809 |
| .230 | -.6586 | -.4915 | -.4432 | -.4957 |
| .410 | -.5242 | -.1468 | -.0469 | -.1951 |
| .590 | -.4157 | -.1589 | -.0124 | -.0228 |
| .770 | -.3984 | -.2364 | -.0572 | -.0538 |
| .878 | -.4019 | -.3157 | -.0969 | -.1072 |

BETA ( 4 ) = 5.050 ALPHA ( 6 ) = 10.460 Q(PSF) = 42.985 PO/PSF = 2124.8 RUN NO = 143.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4805 | -.4839 | -.4667 | -.4598 |
| .230 | -.7455 | -.4891 | -.5235 | -.4657 |
| .410 | -.6508 | -.2137 | -.3015 | -.3875 |
| .590 | -.5183 | -.1810 | -.0468 | -.0744 |
| .770 | -.4426 | -.3032 | -.0124 | .0305  |
| .878 | -.4099 | -.3910 | -.0468 | -.0021 |

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM24)

BETA ( 5 ) = 10.090 ALPHA ( 1 ) = .080 Q(PSF) = 42.970 PO/PSF = 2125.0 RUN NO = 144.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |         |        |        |        |
|------|---------|--------|--------|--------|
| .050 | -.8534  | -.7689 | -.8620 | -.6931 |
| .230 | -1.0602 | -.3450 | -.2864 | -.5139 |
| .410 | -.5621  | -.1313 | -.1744 | -.3243 |
| .590 | -.4570  | -.2192 | -.2037 | -.2192 |
| .770 | -.5018  | -.3019 | -.2571 | -.2744 |
| .878 | -.5518  | -.3640 | -.2795 | -.3054 |

BETA ( 5 ) = 10.090 ALPHA ( 2 ) = 2.150 Q(PSF) = 42.970 PO/PSF = 2125.0 RUN NO = 144.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |         |        |        |        |
|------|---------|--------|--------|--------|
| .050 | -.7429  | -.7670 | -.9134 | -.7842 |
| .230 | -1.0030 | -.3983 | -.3173 | -.5637 |
| .410 | -.5878  | -.1313 | -.1675 | -.3225 |
| .590 | -.4552  | -.2502 | -.1830 | -.2002 |
| .770 | -.4690  | -.3501 | -.2329 | -.2381 |
| .878 | -.4948  | -.4069 | -.2519 | -.2553 |

BETA ( 5 ) = 10.090 ALPHA ( 3 ) = 4.230 Q(PSF) = 42.970 PO/PSF = 2125.0 RUN NO = 144.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |         |        |
|------|--------|--------|---------|--------|
| .050 | -.7112 | -.7973 | -1.0366 | -.7405 |
| .230 | -.7250 | -.6166 | -.3395  | -.5408 |
| .410 | -.5718 | -.2104 | -.1949  | -.3102 |
| .590 | -.4599 | -.2913 | -.1845  | -.1811 |
| .770 | -.4548 | -.3911 | -.2138  | -.2035 |
| .878 | -.4548 | -.4393 | -.2293  | -.2086 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM24)

BETA ( 5 ) = 10.100 ALPHA ( 4 ) = 6.290 Q(PSF) = 42.970 PO/PSF = 2125.0 RUN NO = 144.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |         |         |
|------|--------|--------|---------|---------|
| .050 | -.6990 | -.7919 | -1.0328 | -1.0913 |
| .230 | -.6577 | -.7816 | -.5871  | -.7127  |
| .410 | -.6852 | -.4443 | -.1845  | -.3187  |
| .590 | -.5330 | -.3634 | -.1225  | -.1225  |
| .770 | -.4409 | -.4151 | -.1415  | -.1415  |
| .878 | -.3978 | -.4495 | -.1742  | -.1621  |

BETA ( 5 ) = 10.100 ALPHA ( 5 ) = 8.360 Q(PSF) = 42.970 PO/PSF = 2125.0 RUN NO = 144.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6688 | -.6877 | -.6671 | -.6637 |
| .230 | -.8424 | -.7101 | -.7324 | -.6998 |
| .410 | -.8046 | -.5245 | -.5193 | -.6156 |
| .590 | -.6929 | -.5365 | -.1980 | -.2255 |
| .770 | -.5262 | -.5829 | -.0828 | -.0382 |
| .878 | -.4231 | -.5778 | -.1035 | -.0433 |

BETA ( 5 ) = 10.090 ALPHA ( 6 ) = 10.430 Q(PSF) = 42.970 PO/PSF = 2125.0 RUN NO = 144.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6474 | -.6595 | -.6423 | -.6319 |
| .230 | -.7696 | -.6990 | -.7042 | -.6681 |
| .410 | -.7438 | -.6526 | -.5493 | -.6560 |
| .590 | -.6664 | -.6990 | -.2241 | -.2740 |
| .770 | -.5029 | -.6543 | -.0537 | .0013  |
| .878 | -.4254 | -.6268 | -.0950 | .0013  |

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OF POOR QUALITY

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM25) ( 03 FEB 76 )

## REFERENCE DATA

## PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0405

MACH = .170 ELEVON = .000  
 BDFLAP = 15.000 SPDBRK = 25.000  
 PHI-N = 66.000 THETAN = 108.000  
 PHI-M = 68.000 THETAM = 98.000

BETA ( 1 ) = -10.040 ALPHA ( 1 ) = .040 Q(PSF) = 42.923 PO/PSF = 2117.9 RUN NO = 129.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.0434 -.0874 -.1580 -.1356  
 .230 -.1157 -.0314 -.0417 -.0958  
 .410 -.1088 -.0623 -.0813 -.1329  
 .590 -.0813 -.0985 -.1088 -.1226  
 .770 -.1381 -.1467 -.1622 -.1929  
 .878 -.2190 -.2139 -.1967 -.2122

BETA ( 1 ) = -10.030 ALPHA ( 2 ) = 2.120 Q(PSF) = 42.923 PO/PSF = 2117.9 RUN NO = 129.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.0832 -.0262 .1531 .1600  
 .230 -.0383 .0203 .0116 -.0383  
 .410 -.0400 -.0073 -.0262 -.0746  
 .590 -.0193 -.0452 -.0556 -.0694  
 .770 -.0815 -.0987 -.1125 -.1263  
 .878 -.1660 -.1660 -.1522 -.1643

BETA ( 1 ) = -10.040 ALPHA ( 3 ) = 4.160 Q(PSF) = 42.923 PO/PSF = 2117.9 RUN NO = 129.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.1210 -.2278 -.0951 .1976  
 .230 .0323 .0719 .0685 .0185  
 .410 .0271 .0426 .0271 -.0210  
 .590 .0323 .0047 -.0038 -.0176  
 .770 -.0314 -.0521 -.0607 -.0676  
 .878 -.1175 -.1227 -.1055 -.1193

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM25)

BETA ( 1 ) = -10.040    ALPHA ( 4 ) = 6.260    Q(PSF) = 42.923    PO/PSF = 2117.9    RUN NO = 129.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML    .0760    .3100    .5820    .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0918 | -.2576 | -.2576 | .2203  |
| .230 | .0928  | .1273  | .1273  | .0392  |
| .410 | .0859  | .0945  | .0876  | .0600  |
| .590 | .0824  | .0548  | .0531  | .0479  |
| .770 | .0134  | -.0090 | -.0159 | -.0176 |
| .878 | -.0746 | -.0849 | -.0660 | -.0832 |

BETA ( 1 ) = -10.030    ALPHA ( 5 ) = 8.300    Q(PSF) = 42.923    PO/PSF = 2117.9    RUN NO = 129.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML    .0760    .3100    .5820    .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0624 | -.1932 | -.2070 | .1752  |
| .230 | .1442  | .1769  | .1957  | .1011  |
| .410 | .1425  | .1459  | .1459  | .1063  |
| .590 | .1339  | .1029  | .1063  | .1046  |
| .770 | .0598  | .0392  | .0374  | .0460  |
| .878 | -.0331 | -.0365 | -.0176 | -.0314 |

BETA ( 1 ) = -10.030    ALPHA ( 6 ) = 10.400    Q(PSF) = 42.923    PO/PSF = 2117.9    RUN NO = 129.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML    .0760    .3100    .5820    .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0348 | -.1517 | -.1397 | -.0881 |
| .230 | .1784  | .2109  | .2126  | .1303  |
| .410 | .1852  | .1955  | .2023  | .1509  |
| .590 | .1715  | .1509  | .1612  | .1595  |
| .770 | .0924  | .0838  | .0838  | .1010  |
| .878 | .0030  | .0030  | .0253  | .0081  |



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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM25)

BETA ( 2 ) = -5.020 ALPHA ( 1 ) = .040 Q(PSF) = 42.925 PO/PSF = 2117.8 RUN NO = 128.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5350 | -.5212 | -.5419 | .0289  |
| .230 | -.0504 | -.0366 | -.0676 | -.1332 |
| .410 | -.0590 | -.0797 | -.1073 | -.1504 |
| .590 | -.0624 | -.1211 | -.1538 | -.2366 |
| .770 | -.1314 | -.1711 | -.2073 | -.2366 |
| .878 | -.2211 | -.2349 | -.2297 | -.2521 |

BETA ( 2 ) = -5.020 ALPHA ( 2 ) = 2.090 Q(PSF) = 42.925 PO/PSF = 2117.8 RUN NO = 128.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5057 | -.4332 | -.5384 | .0496  |
| .230 | .0064  | .0099  | .0064  | -.0797 |
| .410 | -.0038 | -.0245 | -.0452 | -.1107 |
| .590 | -.0176 | -.0728 | -.1004 | -.1728 |
| .770 | -.1038 | -.1332 | -.1642 | -.1987 |
| .878 | -.1970 | -.1970 | -.1935 | -.2194 |

BETA ( 2 ) = -5.020 ALPHA ( 3 ) = 4.150 Q(PSF) = 42.925 PO/PSF = 2117.8 RUN NO = 128.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4618 | -.3775 | -.4360 | -.0107 |
| .230 | .0426  | .0288  | .0719  | -.0555 |
| .410 | .0409  | .0271  | .0133  | -.0847 |
| .590 | .0150  | -.0245 | -.0400 | -.0865 |
| .770 | -.0830 | -.0916 | -.1192 | -.1622 |
| .878 | -.1898 | -.1622 | -.1622 | -.2122 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM25)

BETA ( 2 ) = -5.020 ALPHA ( 4 ) = 6.200 Q(PSF) = 42.925 PO/PSF = 2117.8 RUN NO = 128.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4346 | -.3398 | -.3639 | -.2640 |
| .230 | .0633  | .0219  | .0616  | -.0141 |
| .410 | .0564  | .0805  | .0719  | -.0365 |
| .590 | .0151  | .0219  | .0151  | -.0193 |
| .770 | -.1365 | -.0486 | -.0607 | -.0969 |
| .878 | -.2382 | -.1210 | -.1124 | -.1675 |

BETA ( 2 ) = -5.020 ALPHA ( 5 ) = 8.300 Q(PSF) = 42.925 PO/PSF = 2117.8 RUN NO = 128.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4143 | -.3091 | -.3160 | -.4367 |
| .230 | .0565  | .0099  | .0133  | -.0556 |
| .410 | -.0021 | .1255  | .1237  | .0047  |
| .590 | -.0176 | .0668  | .0720  | .0409  |
| .770 | -.1314 | -.0090 | -.0090 | -.0400 |
| .878 | -.2073 | -.0866 | -.0659 | -.1314 |

BETA ( 2 ) = -5.030 ALPHA ( 6 ) = 10.360 Q(PSF) = 42.925 PO/PSF = 2117.8 RUN NO = 128.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3683 | -.2634 | -.3081 | -.4422 |
| .230 | -.0451 | -.0072 | -.0072 | -.0537 |
| .410 | -.0313 | .1612  | .1663  | .0442  |
| .590 | -.0382 | .1044  | .1250  | .0975  |
| .770 | -.1224 | .0271  | .0408  | .0236  |
| .878 | -.1809 | -.0468 | -.0193 | -.0794 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM25)

BETA ( 3 ) = .000 ALPHA ( 1 ) = .010 Q(PSF) = 42.953 PO/PSF = 2117.8 RUN NO = 127.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7303 | -.5547 | -.6374 | -.1932 |
| .230 | -.0434 | -.1415 | -.0727 | -.1846 |
| .410 | -.0692 | -.0830 | -.1260 | -.2879 |
| .590 | -.1260 | -.1450 | -.1863 | -.2810 |
| .770 | -.2999 | -.2138 | -.2534 | -.3137 |
| .878 | -.3946 | -.2775 | -.2844 | -.3223 |

BETA ( 3 ) = .000 ALPHA ( 2 ) = 2.100 Q(PSF) = 42.953 PO/PSF = 2117.8 RUN NO = 127.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6848 | -.5283 | -.5696 | -.4681 |
| .230 | -.0537 | -.1603 | -.0984 | -.1981 |
| .410 | -.1173 | -.0348 | -.0726 | -.2308 |
| .590 | -.1689 | -.1018 | -.1293 | -.1998 |
| .770 | -.3082 | -.1758 | -.2016 | -.2566 |
| .878 | -.3925 | -.2446 | -.2411 | -.2858 |

BETA ( 3 ) = .000 ALPHA ( 3 ) = 4.200 Q(PSF) = 42.953 PO/PSF = 2117.8 RUN NO = 127.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6383 | -.5210 | -.5227 | -.6503 |
| .230 | -.1262 | -.1797 | -.1676 | -.2641 |
| .410 | -.1917 | .0030  | -.0178 | -.1883 |
| .590 | -.2072 | -.0641 | -.0710 | -.1245 |
| .770 | -.3107 | -.1435 | -.1486 | -.1917 |
| .878 | -.3797 | -.2107 | -.1952 | -.2503 |

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## TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM25)

BETA ( 3 ) = .000 ALPHA ( 4 ) = 6.220 Q(PSF) = 42.953 PO/PSF = 2117.8 RUN NO = 127.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5854 | -.4787 | -.5338 | -.6714 |
| .230 | -.3187 | -.1965 | -.1810 | -.3428 |
| .410 | -.2550 | .0288  | .0168  | -.1483 |
| .590 | -.2327 | -.0296 | -.0193 | -.0589 |
| .770 | -.3032 | -.1088 | -.1002 | -.1277 |
| .878 | -.3600 | -.1793 | -.1535 | -.1982 |

BETA ( 3 ) = .000 ALPHA ( 5 ) = 8.280 Q(PSF) = 42.953 PO/PSF = 2117.8 RUN NO = 127.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3467 | -.3794 | -.5190 | -.6327 |
| .230 | -.6155 | -.2898 | -.2571 | -.3312 |
| .410 | -.3588 | .0426  | .0667  | -.1296 |
| .590 | -.2709 | .0133  | .0375  | .0133  |
| .770 | -.3019 | -.0710 | -.0417 | -.0503 |
| .878 | -.3433 | -.1417 | -.1003 | -.1503 |

BETA ( 3 ) = .000 ALPHA ( 6 ) = 10.370 Q(PSF) = 42.953 PO/PSF = 2117.8 RUN NO = 127.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3137 | -.3447 | -.4016 | -.4326 |
| .230 | -.6271 | -.2948 | -.2707 | -.4687 |
| .410 | -.4326 | -.0245 | -.0072 | -.1295 |
| .590 | -.3172 | .0219  | .0598  | .0598  |
| .770 | -.3103 | -.0520 | .0030  | .0099  |
| .878 | -.3327 | -.1347 | -.0572 | -.0847 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM25)

BETA ( 4 ) = 5.020 ALPHA ( 1 ) = .030 Q(PSF) = 42.922 PO/PSF = 2117.7 RUN NO = 126.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.8372 | -.7112 | -.7112 | -.7837 |
| .230 | -.3523 | -.3403 | -.3230 | -.4507 |
| .410 | -.3799 | -.1177 | -.1608 | -.3627 |
| .590 | -.3679 | -.1850 | -.2022 | -.2695 |
| .770 | -.4576 | -.2557 | -.2695 | -.3092 |
| .878 | -.5301 | -.3178 | -.3058 | -.3403 |

BETA ( 4 ) = 5.020 ALPHA ( 2 ) = 2.100 Q(PSF) = 42.922 PO/PSF = 2117.7 RUN NO = 126.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7906 | -.6890 | -.7200 | -.8680 |
| .230 | -.7028 | -.3481 | -.3309 | -.5805 |
| .410 | -.4376 | -.0899 | -.1174 | -.3223 |
| .590 | -.3860 | -.1519 | -.1501 | -.1983 |
| .770 | -.4445 | -.2259 | -.2156 | -.2414 |
| .878 | -.5013 | -.2879 | -.2569 | -.2879 |

BETA ( 4 ) = 5.020 ALPHA ( 3 ) = 4.150 Q(PSF) = 42.922 PO/PSF = 2117.7 RUN NO = 126.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6337 | -.6061 | -.7390 | -.8580 |
| .230 | -.9926 | -.3697 | -.3110 | -.5232 |
| .410 | -.5232 | -.0521 | -.0746 | -.2678 |
| .590 | -.4076 | -.1229 | -.1056 | -.1350 |
| .770 | -.4370 | -.2005 | -.1712 | -.1833 |
| .878 | -.4801 | -.2661 | -.2109 | -.2420 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM25)

BETA ( 4 ) = 5.020 ALPHA ( 4 ) = 6.240 Q(PSF) = 42.922 PO/PSF = 2117.7 RUN NO = 126.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5128 | -.5765 | -.7570 | -.8000 |
| .230 | -.8258 | -.4475 | -.3615 | -.4595 |
| .410 | -.5472 | -.0468 | -.0537 | -.2188 |
| .590 | -.4165 | -.1121 | -.0709 | -.0863 |
| .770 | -.4165 | -.2102 | -.1328 | -.1362 |
| .878 | -.4475 | -.2807 | -.1706 | -.1861 |

BETA ( 4 ) = 5.020 ALPHA ( 5 ) = 8.300 Q(PSF) = 42.922 PO/PSF = 2117.7 RUN NO = 126.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5078 | -.5872 | -.7615 | -.8979 |
| .230 | -.7149 | -.4854 | -.4319 | -.4750 |
| .410 | -.5354 | -.1229 | -.0470 | -.2023 |
| .590 | -.4250 | -.1540 | -.0383 | -.0418 |
| .770 | -.4181 | -.2472 | -.0849 | -.0815 |
| .878 | -.4267 | -.3197 | -.1246 | -.1333 |

BETA ( 4 ) = 5.020 ALPHA ( 6 ) = 10.360 Q(PSF) = 42.922 PO/PSF = 2117.7 RUN NO = 126.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5011 | -.5080 | -.4908 | -.5029 |
| .230 | -.8006 | -.5046 | -.5511 | -.4994 |
| .410 | -.6732 | -.1828 | -.2791 | -.3807 |
| .590 | -.5304 | -.1638 | -.0417 | -.0658 |
| .770 | -.4598 | -.2929 | -.0417 | .0099  |
| .878 | -.4426 | -.3876 | -.0812 | -.0417 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM25)

BETA ( 5 ) = 10.070 ALPHA ( 1 ) = .030 Q(PSF) = 42.907 PO/PSF = 2117.8 RUN NO = 125.00

SECTION ( 1 ) MAIN LND GR DR-0 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |         |        |        |        |
|------|---------|--------|--------|--------|
| .050 | -.8861  | -.7791 | -.8671 | -.6841 |
| .230 | -1.0519 | -.3388 | -.2818 | -.5149 |
| .410 | -.5581  | -.1454 | -.1886 | -.3370 |
| .590 | -.4648  | -.2300 | -.2179 | -.2386 |
| .770 | -.5183  | -.3111 | -.2714 | -.2973 |
| .878 | -.5719  | -.3750 | -.3025 | -.3267 |

BETA ( 5 ) = 10.080 ALPHA ( 2 ) = 2.080 Q(PSF) = 42.907 PO/PSF = 2117.8 RUN NO = 125.00

SECTION ( 1 ) MAIN LND GR DR-0 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |         |        |        |        |
|------|---------|--------|--------|--------|
| .050 | -.7716  | -.7734 | -.9148 | -.7803 |
| .230 | -1.0235 | -.3851 | -.3092 | -.5732 |
| .410 | -.6077  | -.1349 | -.1781 | -.3351 |
| .590 | -.4749  | -.2505 | -.1971 | -.2178 |
| .770 | -.4921  | -.3575 | -.2540 | -.2661 |
| .878 | -.5249  | -.4248 | -.2730 | -.2833 |

BETA ( 5 ) = 10.080 ALPHA ( 3 ) = 4.150 Q(PSF) = 42.907 PO/PSF = 2117.8 RUN NO = 125.00

SECTION ( 1 ) MAIN LND GR DR-0 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |         |        |
|------|--------|--------|---------|--------|
| .050 | -.7156 | -.8001 | -1.0190 | -.7329 |
| .230 | -.7553 | -.5605 | -.3365  | -.5588 |
| .410 | -.5795 | -.2124 | -.1951  | -.3261 |
| .590 | -.4709 | -.3054 | -.1968  | -.1968 |
| .770 | -.4726 | -.3985 | -.2348  | -.2227 |
| .878 | -.4864 | -.4519 | -.2503  | -.2279 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM25)

BETA ( 5 ) = 10.070 ALPHA ( 4 ) = 6.220 Q(PSF) = 42.907 PO/PSF = 2117.8 RUN NO = 125.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |         |         |
|------|--------|--------|---------|---------|
| .050 | -.7190 | -.8293 | -1.0655 | -1.2206 |
| .230 | -.6673 | -.8380 | -.5484  | -.6777  |
| .410 | -.6932 | -.3709 | -.1675  | -.3106  |
| .590 | -.5398 | -.3209 | -.1417  | -.1348  |
| .770 | -.4605 | -.4054 | -.1710  | -.1675  |
| .878 | -.4433 | -.4657 | -.2054  | -.1934  |

BETA ( 5 ) = 10.070 ALPHA ( 5 ) = 8.300 Q(PSF) = 42.907 PO/PSF = 2117.8 RUN NO = 125.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7076 | -.7214 | -.6973 | -.6973 |
| .230 | -.9164 | -.7266 | -.7628 | -.7301 |
| .410 | -.8387 | -.4817 | -.4903 | -.6024 |
| .590 | -.7111 | -.5110 | -.1815 | -.2091 |
| .770 | -.5852 | -.5903 | -.1056 | -.0538 |
| .878 | -.4782 | -.6110 | -.1401 | -.0780 |

BETA ( 5 ) = 10.070 ALPHA ( 6 ) = 10.380 Q(PSF) = 42.907 PO/PSF = 2117.8 RUN NO = 125.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.8709 | -.6881 | -.6692 | -.6554 |
| .230 | -.8170 | -.7121 | -.7310 | -.6881 |
| .410 | -.7964 | -.6520 | -.5712 | -.6657 |
| .590 | -.7207 | -.6795 | -.2118 | -.2737 |
| .770 | -.5368 | -.6743 | -.0623 | -.0141 |
| .878 | -.4336 | -.6468 | -.0915 | -.0158 |



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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM26) ( 11 MAY 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.3100 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0405

## PARAMETRIC DATA

MACH = .170 ELEVON = .000  
 BDFLAP = 10.000 SPDBRK = 25.000  
 PHI-N = 66.000 THETAN = 108.000  
 PHI-M = 88.000 THETAM = 98.000

BETA ( 1 ) = -10.080 ALPHA ( 1 ) = .030 Q(PSF) = 42.901 PO/PSF = 2125.6 RUN NO = 160.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.0538 .0927 .1444 .8961  
 .230 -.1211 -.0366 -.0435 -.1228  
 .410 -.1159 -.0624 -.0745 -.1056  
 .590 -.0849 -.0969 -.1004 -.1073  
 .770 -.1401 -.1487 -.1625 -.1763  
 .878 -.2220 -.2211 -.2073 -.2366

BETA ( 1 ) = -10.080 ALPHA ( 2 ) = 2.090 Q(PSF) = 42.901 PO/PSF = 2125.6 RUN NO = 160.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.0780 -.0228 .1359 .1169  
 .230 -.0487 .0116 .0064 -.0694  
 .410 -.0487 -.0124 -.0222 -.0521  
 .590 -.0280 -.0487 -.0504 -.0539  
 .770 -.0884 -.1039 -.1125 -.1212  
 .878 -.1746 -.1764 -.1608 -.1902

BETA ( 1 ) = -10.080 ALPHA ( 3 ) = 4.160 Q(PSF) = 42.901 PO/PSF = 2125.6 RUN NO = 160.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.1003 -.2313 -.1141 .1547  
 .230 .0254 .0668 .0599 -.0124  
 .410 .0202 .0426 .0323 .0030  
 .590 .0254 .0030 .0013 .0013  
 .770 -.0366 -.0538 -.0641 -.0710  
 .878 -.1245 -.1295 -.1156 -.1451

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## TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM26)

BETA ( 1 ) = -10.080 ALPHA ( 4 ) = 6.220 Q(PSF) = 42.901 PO/PSF = 2125.6 RUN NO = 160.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0745 | -.2693 | -.2693 | .1839  |
| .230 | .0909  | .1254  | .1236  | .0392  |
| .410 | .0840  | .0926  | .0857  | .0591  |
| .590 | .0806  | .0530  | .0530  | .0513  |
| .770 | .0099  | -.0107 | -.0159 | -.0107 |
| .878 | -.0779 | -.0848 | -.0710 | -.0934 |

BETA ( 1 ) = -10.070 ALPHA ( 5 ) = 8.290 Q(PSF) = 42.901 PO/PSF = 2125.6 RUN NO = 160.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0400 | -.2159 | -.2159 | .0702  |
| .230 | .1426  | .1788  | .1874  | .0788  |
| .410 | .1375  | .1444  | .1444  | .1099  |
| .590 | .1288  | .1030  | .1064  | .1099  |
| .770 | .0564  | .0357  | .0340  | .0478  |
| .878 | -.0366 | -.0435 | -.0262 | -.0383 |

BETA ( 1 ) = -10.080 ALPHA ( 6 ) = 10.360 Q(PSF) = 42.901 PO/PSF = 2125.6 RUN NO = 160.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0055 | -.1744 | -.1502 | -.1985 |
| .230 | .1752  | .2147  | .1992  | .1098  |
| .410 | .1838  | .1941  | .2010  | .1648  |
| .590 | .1684  | .1529  | .1632  | .1718  |
| .770 | .0874  | .0805  | .0874  | .1098  |
| .878 | -.0021 | -.0004 | .0219  | .0013  |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 DRB

MAIN GEAR DOOR OUTER SURFACE

(RFFM26)

BETA ( 2 ) = -5.050 ALPHA ( 1 ) = .030 Q(PSF) = 42.900 PO/PSF = 2125.5 RUN NO = 161.00

SECTION ( 1 ) MAIN LND GR DR-O DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5348 | -.5297 | -.5434 | -.0107 |
| .230 | -.0521 | -.0417 | -.0745 | -.1228 |
| .410 | -.0624 | -.0814 | -.1107 | -.1641 |
| .590 | -.0624 | -.1228 | -.1504 | -.2176 |
| .770 | -.1331 | -.1710 | -.1952 | -.1917 |
| .878 | -.2210 | -.2331 | -.2228 | -.2348 |

BETA ( 2 ) = -5.050 ALPHA ( 2 ) = 2.080 Q(PSF) = 42.900 PO/PSF = 2125.5 RUN NO = 161.00

SECTION ( 1 ) MAIN LND GR DR-O DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4917 | -.4504 | -.5400 | .0030  |
| .230 | .0013  | .0082  | .0047  | -.0883 |
| .410 | -.0073 | -.0279 | -.0469 | -.1004 |
| .590 | -.0210 | -.0728 | -.0986 | -.1624 |
| .770 | -.1055 | -.1331 | -.1573 | -.1573 |
| .878 | -.1986 | -.2004 | -.1935 | -.2107 |

BETA ( 2 ) = -5.050 ALPHA ( 3 ) = 4.140 Q(PSF) = 42.900 PO/PSF = 2125.5 RUN NO = 161.00

SECTION ( 1 ) MAIN LND GR DR-O DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4458 | -.3992 | -.4406 | -.1575 |
| .230 | .0410  | .0254  | .0634  | -.0556 |
| .410 | .0392  | .0254  | .0134  | -.0573 |
| .590 | .0151  | -.0263 | -.0383 | -.0642 |
| .770 | -.0815 | -.0936 | -.1143 | -.1316 |
| .878 | -.1920 | -.1661 | -.1626 | -.2093 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM26)

BETA ( 2 ) = -5.050 ALPHA ( 4 ) = 6.226 Q(PSF) = 42.900 PO/PSF = 2125.5 RUN NO = 161.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4334 | -.3695 | -.3730 | -.4265 |
| .230 | .0616  | .0254  | .0392  | -.0331 |
| .410 | .0530  | .0772  | .0720  | -.0193 |
| .590 | .0168  | .0237  | .0220  | -.0004 |
| .770 | -.1349 | -.0521 | -.0590 | -.0694 |
| .878 | -.2436 | -.1263 | -.1159 | -.1694 |

BETA ( 2 ) = -5.060 ALPHA ( 5 ) = 8.290 Q(PSF) = 42.900 PO/PSF = 2125.5 RUN NO = 161.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4242 | -.3432 | -.3294 | -.4810 |
| .230 | .0581  | .0306  | -.0021 | -.0693 |
| .410 | -.0021 | .1219  | .1270  | .0271  |
| .590 | -.0193 | .0633  | .0788  | .0667  |
| .770 | -.1365 | -.0124 | -.0038 | -.0176 |
| .878 | -.2140 | -.0899 | -.0710 | -.1485 |

BETA ( 2 ) = -5.050 ALPHA ( 6 ) = 10.350 Q(PSF) = 42.900 PO/PSF = 2125.5 RUN NO = 161.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4205 | -.3068 | -.3051 | -.4170 |
| .230 | -.0417 | .0064  | -.0141 | -.0806 |
| .410 | -.0365 | .1528  | .1717  | .0667  |
| .590 | -.0400 | .1011  | .1304  | .1235  |
| .770 | -.1226 | .0236  | .0426  | .0409  |
| .878 | -.1846 | -.0520 | -.0279 | -.1002 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM26)

BETA ( 3 ) = -.020 ALPHA ( 1 ) = .020 Q(PSF) = 42.920 PO/PSF = 2125.5 RUN NO = 162.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7411 | -.5775 | -.6360 | -.3776 |
| .230 | -.0451 | -.1382 | -.0830 | -.2036 |
| .410 | -.0693 | -.0848 | -.1175 | -.2536 |
| .590 | -.1278 | -.1451 | -.1778 | -.2570 |
| .770 | -.2932 | -.2123 | -.2501 | -.2846 |
| .878 | -.3983 | -.2794 | -.2863 | -.3156 |

BETA ( 3 ) = -.020 ALPHA ( 2 ) = 2.070 Q(PSF) = 42.920 PO/PSF = 2125.5 RUN NO = 162.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7024 | -.5644 | -.5782 | -.6110 |
| .230 | -.0556 | -.1608 | -.1297 | -.2280 |
| .410 | -.1194 | -.0400 | -.0642 | -.2056 |
| .590 | -.1711 | -.1039 | -.1228 | -.1746 |
| .770 | -.3126 | -.1815 | -.2004 | -.2263 |
| .878 | -.3971 | -.2505 | -.2470 | -.2850 |

BETA ( 3 ) = -.020 ALPHA ( 3 ) = 4.150 Q(PSF) = 42.920 PO/PSF = 2125.5 RUN NO = 162.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6764 | -.5626 | -.5367 | -.6902 |
| .230 | -.1211 | -.1745 | -.1918 | -.3005 |
| .410 | -.1991 | -.0021 | -.0090 | -.1521 |
| .590 | -.2039 | -.0676 | -.0607 | -.0987 |
| .770 | -.3125 | -.1470 | -.1452 | -.1728 |
| .878 | -.3850 | -.2194 | -.2021 | -.2694 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM26)

BETA ( 3 ) = -.020 ALPHA ( 4 ) = 6.200 Q(PSF) = 42.920 P0/PSF = 2125.5 RUN NO = 162.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6572 | -.5434 | -.5124 | -.6313 |
| .230 | -.3124 | -.1814 | -.1986 | -.3003 |
| .410 | -.2469 | .0237  | .0271  | -.1159 |
| .590 | -.2296 | -.0383 | -.0159 | -.0331 |
| .770 | -.3072 | -.1159 | -.1003 | -.1090 |
| .878 | -.3676 | -.1883 | -.1607 | -.2176 |

BETA ( 3 ) = -.020 ALPHA ( 5 ) = 8.290 Q(PSF) = 42.920 P0/PSF = 2125.5 RUN NO = 162.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4534 | -.4327 | -.4895 | -.5602 |
| .230 | -.6704 | -.2691 | -.2432 | -.3173 |
| .410 | -.3621 | .0374  | .0478  | -.1037 |
| .590 | -.2794 | .0013  | .0305  | .0374  |
| .770 | -.3104 | -.0744 | -.0451 | -.0348 |
| .878 | -.3517 | -.1468 | -.1089 | -.1537 |

BETA ( 3 ) = -.020 ALPHA ( 6 ) = 10.340 Q(PSF) = 42.920 P0/PSF = 2125.5 RUN NO = 162.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3445 | .0322  | .0632  | -.1449 |
| .230 | -.3239 | -.0399 | .0168  | .0288  |
| .410 | -.3411 | -.1260 | -.0485 | -.0658 |
| .590 | -.3755 | -.2998 | -.3273 | -.3927 |
| .770 | .1596  | -.6061 | -.3222 | -.2878 |
| .878 | .1836  | -.4702 | -.0503 | -.0348 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM26)

BETA ( 4 ) = 5.020 ALPHA ( 1 ) = .020 Q(PSF) = 42.907 PO/PSF = 2125.5 RUN NO = 163.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.8923 | -.7563 | -.7184 | -.8578 |
| .230 | -.3430 | -.3344 | -.3482 | -.4635 |
| .410 | -.3740 | -.1174 | -.1450 | -.3241 |
| .590 | -.3619 | -.1794 | -.1898 | -.2363 |
| .770 | -.4532 | -.2586 | -.2621 | -.2827 |
| .878 | -.5255 | -.3206 | -.3120 | -.3568 |

BETA ( 4 ) = 5.020 ALPHA ( 2 ) = 2.080 Q(PSF) = 42.907 PO/PSF = 2125.5 RUN NO = 163.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.8826 | -.7671 | -.7120 | -.8343 |
| .230 | -.6637 | -.3277 | -.3519 | -.4949 |
| .410 | -.4277 | -.0934 | -.1020 | -.2812 |
| .590 | -.3812 | -.1572 | -.1434 | -.1675 |
| .770 | -.4449 | -.2278 | -.2140 | -.2157 |
| .878 | -.5069 | -.2950 | -.2657 | -.3036 |

BETA ( 4 ) = 5.020 ALPHA ( 3 ) = 4.130 Q(PSF) = 42.907 PO/PSF = 2125.5 RUN NO = 163.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |         |        |        |        |
|------|---------|--------|--------|--------|
| .050 | -.7839  | -.6993 | -.7321 | -.8616 |
| .230 | -1.0031 | -.3473 | -.3162 | -.4456 |
| .410 | -.5060  | -.0608 | -.0677 | -.2282 |
| .590 | -.4077  | -.1281 | -.1056 | -.1091 |
| .770 | -.4405  | -.2023 | -.1747 | -.1712 |
| .878 | -.4853  | -.2713 | -.2178 | -.2403 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFH26)

BETA ( 4 ) = 5.020 ALPHA ( 4 ) = 6.200 Q(PSF) = 42.907 PO/PSF = 2125.5 RUN NO = 163.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5450 | -.5778 | -.7415 | -.8587 |
| .230 | -.9501 | -.4692 | -.3864 | -.4175 |
| .410 | -.5950 | -.0383 | -.0400 | -.2020 |
| .590 | -.4364 | -.0969 | -.0607 | -.0675 |
| .770 | -.4295 | -.1951 | -.1348 | -.1227 |
| .878 | -.4588 | -.2744 | -.1779 | -.1796 |

BETA ( 4 ) = 5.020 ALPHA ( 5 ) = 8.260 Q(PSF) = 42.907 PO/PSF = 2125.5 RUN NO = 163.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4922 | -.5474 | -.6372 | -.6700 |
| .230 | -.7528 | -.5112 | -.4629 | -.5267 |
| .410 | -.5923 | -.1522 | -.1263 | -.2282 |
| .590 | -.4750 | -.1177 | -.0366 | -.0452 |
| .770 | -.4370 | -.2282 | -.0746 | -.0608 |
| .878 | -.4422 | -.3162 | -.1177 | -.1125 |

BETA ( 4 ) = 5.020 ALPHA ( 6 ) = 10.350 Q(PSF) = 42.907 PO/PSF = 2125.5 RUN NO = 163.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4758 | -.4810 | -.4793 | -.4793 |
| .230 | -.7274 | -.5189 | -.5224 | -.5448 |
| .410 | -.6895 | -.2760 | -.3036 | -.3656 |
| .590 | -.5620 | -.1950 | -.0469 | -.0589 |
| .770 | -.4845 | -.3105 | -.0124 | -.0202 |
| .878 | -.4535 | -.3949 | -.0503 | -.0193 |



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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM26)

BETA ( 5 ) = 10.070 ALPHA ( 1 ) = .000 Q(PSF) = 42.912 PO/PSF = 2125.6 RUN NO = 164.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |         |        |        |        |
|------|---------|--------|--------|--------|
| .050 | -.9516  | -.8225 | -.8828 | -.8535 |
| .230 | -1.0771 | -.3530 | -.3100 | -.4871 |
| .410 | -.5663  | -.1517 | -.1706 | -.2996 |
| .590 | -.4734  | -.2308 | -.2085 | -.2119 |
| .770 | -.5284  | -.3151 | -.2721 | -.2842 |
| .878 | -.5903  | -.3822 | -.3082 | -.3358 |

BETA ( 5 ) = 10.070 ALPHA ( 2 ) = 2.070 Q(PSF) = 42.912 PO/PSF = 2125.6 RUN NO = 164.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |         |        |        |        |
|------|---------|--------|--------|--------|
| .050 | -.8358  | -.8065 | -.9185 | -.9805 |
| .230 | -1.1321 | -.4017 | -.3414 | -.5223 |
| .410 | -.6411  | -.1313 | -.1519 | -.2932 |
| .590 | -.4930  | -.2329 | -.1847 | -.1898 |
| .770 | -.5119  | -.3483 | -.2501 | -.2536 |
| .878 | -.5412  | -.4189 | -.2846 | -.2897 |

BETA ( 5 ) = 10.060 ALPHA ( 3 ) = 4.140 Q(PSF) = 42.912 PO/PSF = 2125.6 RUN NO = 164.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |         |
|------|--------|--------|--------|---------|
| .050 | -.7269 | -.8028 | -.9875 | -1.0876 |
| .230 | -.8391 | -.5767 | -.3869 | -.5474  |
| .410 | -.6285 | -.1988 | -.1798 | -.3110  |
| .590 | -.4887 | -.2886 | -.1781 | -.1833  |
| .770 | -.4853 | -.3938 | -.2230 | -.2212  |
| .878 | -.4956 | -.4577 | -.2506 | -.2299  |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR OUTER SURFACE

(RFFM26)

BETA ( 5 ) = 10.060 ALPHA ( 4 ) = 6.230 Q(PSF) = 42.912 PO/PSF = 2125.6 RUN NO = 164.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7167 | -.7823 | -.8375 | -.8444 |
| .230 | -.7530 | -.7737 | -.6304 | -.7115 |
| .410 | -.7495 | -.4353 | -.2593 | -.3594 |
| .590 | -.6183 | -.3680 | -.1281 | -.1315 |
| .770 | -.5217 | -.4353 | -.1471 | -.1315 |
| .878 | -.4647 | -.4992 | -.1833 | -.1557 |

BETA ( 5 ) = 10.060 ALPHA ( 5 ) = 8.280 Q(PSF) = 42.912 PO/PSF = 2125.6 RUN NO = 164.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6889 | -.7062 | -.6924 | -.6907 |
| .230 | -.8632 | -.7476 | -.7614 | -.7838 |
| .410 | -.8201 | -.5750 | -.4663 | -.5750 |
| .590 | -.7303 | -.6182 | -.1453 | -.1591 |
| .770 | -.5612 | -.6078 | -.0625 | -.0176 |
| .878 | -.4508 | -.5992 | -.1143 | -.0452 |

BETA ( 5 ) = 10.060 ALPHA ( 6 ) = 10.360 Q(PSF) = 42.912 PO/PSF = 2125.6 RUN NO = 164.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6650 | -.6856 | -.6753 | -.6598 |
| .230 | -.8010 | -.7442 | -.7442 | -.7597 |
| .410 | -.7890 | -.6908 | -.5565 | -.6684 |
| .590 | -.7115 | -.7924 | -.1915 | -.2380 |
| .770 | -.5427 | -.7063 | -.0434 | .0288  |
| .878 | -.4532 | -.6788 | -.0933 | .0013  |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM27) ( 03 FEB 76 )

## REFERENCE DATA

SREF = 2600.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0405

## PARAMETRIC DATA

MACH = .170 ELEVON = .000  
 BDFLAP = -11.700 SPDBRK = .000  
 PHI-N = 66.000 THETAN = 108.000  
 PHI-M = 88.000 THETAM = 98.000

BETA ( 1 ) = -10.090 ALPHA ( 1 ) = .000 Q(PSF) = 43.158 PO/PSF = 2129.0 RUN NO = 165.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.0803 .0635 .1200 .0669  
 .230 -.1559 -.0683 -.0734 -.1525  
 .410 -.1559 -.0975 -.1095 -.1387  
 .590 -.1198 -.1370 -.1439 -.1559  
 .770 -.1817 -.1885 -.2074 -.2263  
 .878 -.2693 -.2624 -.2452 -.2710

BETA ( 1 ) = -10.090 ALPHA ( 2 ) = 2.070 Q(PSF) = 43.158 PO/PSF = 2129.0 RUN NO = 165.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.0836 -.0545 .1215 .0959  
 .230 -.0733 -.0133 -.0184 -.0939  
 .410 -.0785 -.0407 -.0527 -.0785  
 .590 -.0596 -.0768 -.0870 -.0956  
 .770 -.1196 -.1368 -.1522 -.1677  
 .878 -.2071 -.2123 -.1934 -.2191

BETA ( 1 ) = -10.090 ALPHA ( 3 ) = 4.150 Q(PSF) = 43.158 PO/PSF = 2129.0 RUN NO = 165.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.0940 -.2555 -.1198 .1353  
 .230 -.0013 .0430 .0345 -.0322  
 .410 -.0099 .0139 .0054 -.0202  
 .590 .0003 -.0236 -.0322 -.0373  
 .770 -.0666 -.0854 -.0975 -.1112  
 .878 -.1576 -.1610 -.1456 -.1696

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM27)

BETA ( 1 ) = -10.090 ALPHA ( 4 ) = 5.190 Q(PSF) = 43.158 PO/PSF = 2129.0 RUN NO = 165.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0922 | -.2965 | -.2484 | .1540  |
| .230 | .0344  | .0703  | .0669  | -.0116 |
| .410 | .0242  | .0413  | .0344  | .0054  |
| .590 | .0276  | -.0013 | -.0048 | -.0099 |
| .770 | -.0390 | -.0630 | -.0733 | -.0802 |
| .878 | -.1317 | -.1368 | -.1231 | -.1454 |

BETA ( 1 ) = -10.090 ALPHA ( 5 ) = 6.240 Q(PSF) = 43.158 PO/PSF = 2129.0 RUN NO = 165.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0819 | -.2946 | -.2929 | .1693  |
| .230 | .0685  | .1044  | .1027  | .0173  |
| .410 | .0566  | .0703  | .0651  | .0361  |
| .590 | .0532  | .0276  | .0242  | .0190  |
| .770 | -.0133 | -.0339 | -.0441 | -.0476 |
| .878 | -.1059 | -.1145 | -.0956 | -.1145 |

BETA ( 1 ) = -10.090 ALPHA ( 6 ) = 8.310 Q(PSF) = 43.158 PO/PSF = 2129.0 RUN NO = 165.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0423 | -.2358 | -.2358 | .0565  |
| .230 | .1246  | .1604  | .1774  | .0599  |
| .410 | .1178  | .1229  | .1246  | .0922  |
| .590 | .1093  | .0837  | .0803  | .0803  |
| .770 | .0360  | .0156  | .0098  | .0139  |
| .878 | -.0560 | -.0629 | -.0475 | -.0595 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM27)

BETA ( 1 ) = -10.090 ALPHA ( 7 ) = 10.420 Q(P5F) = 43.158 PO/PSF = 2129.0 RUN NO = 165.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0115 | -.1910 | -.1602 | -.2235 |
| .230 | .1636  | .2078  | .1891  | .0972  |
| .410 | .1704  | .1806  | .1874  | .1517  |
| .590 | .1517  | .1330  | .1432  | .1500  |
| .770 | .0734  | .0632  | .0666  | .0819  |
| .878 | -.0166 | -.0166 | .0054  | -.0132 |

BETA ( 1 ) = -10.090 ALPHA ( 8 ) = 15.670 Q(P5F) = 43.158 PO/PSF = 2129.0 RUN NO = 165.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1193 | -.0594 | -.0577 | -.1517 |
| .230 | .1262  | .1619  | .1347  | .1364  |
| .410 | .1330  | .2810  | .3066  | .2555  |
| .590 | .1381  | .2487  | .2810  | .3100  |
| .770 | .0547  | .1806  | .2028  | .2436  |
| .878 | -.0047 | .1087  | .1313  | .1143  |

BETA ( 1 ) = -10.090 ALPHA ( 9 ) = 20.910 Q(P5F) = 43.158 PO/PSF = 2129.0 RUN NO = 165.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |       |       |       |
|------|--------|-------|-------|-------|
| .050 | .1551  | .1534 | .1704 | .1568 |
| .230 | -.0594 | .1211 | .1296 | .0819 |
| .410 | -.0201 | .2096 | .2028 | .1891 |
| .590 | .0462  | .3100 | .3406 | .3338 |
| .770 | .0666  | .2895 | .3355 | .3219 |
| .878 | .0632  | .2215 | .2708 | .2334 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB-GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM27)

BETA ( 2 ) = -5.060 ALPHA ( 1 ) = .000 Q(PSF) = 43.179 PO/PSF = 2128.9 RUN NO = 166.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5727 | -.5710 | -.6019 | -.0390 |
| .230 | -.0836 | -.0733 | -.1059 | -.1591 |
| .410 | -.0956 | -.1145 | -.1454 | -.2038 |
| .590 | -.0991 | -.1574 | -.1900 | -.2587 |
| .770 | -.1694 | -.2106 | -.2415 | -.2552 |
| .878 | -.2621 | -.2724 | -.2655 | -.2793 |

BETA ( 2 ) = -5.060 ALPHA ( 2 ) = 2.080 Q(PSF) = 43.179 PO/PSF = 2128.9 RUN NO = 166.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5151 | -.4894 | -.5751 | -.0235 |
| .230 | -.0218 | -.0184 | -.0201 | -.1177 |
| .410 | -.0355 | -.0578 | -.0766 | -.1297 |
| .590 | -.0492 | -.1040 | -.1297 | -.1999 |
| .770 | -.1383 | -.1674 | -.1931 | -.2171 |
| .878 | -.2342 | -.2359 | -.2291 | -.2445 |

BETA ( 2 ) = -5.060 ALPHA ( 3 ) = 4.150 Q(PSF) = 43.179 PO/PSF = 2128.9 RUN NO = 166.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4637 | -.4345 | -.4705 | -.1965 |
| .230 | .0156  | .0037  | .0361  | -.0800 |
| .410 | .0122  | .0003  | -.0116 | -.0835 |
| .590 | -.0133 | -.0509 | -.0663 | -.0955 |
| .770 | -.1126 | -.1229 | -.1468 | -.1828 |
| .878 | -.2205 | -.1982 | -.1948 | -.2376 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM27)

BETA ( 2 ) = -5.060 ALPHA ( 4 ) = 5.200 Q(PSF) = 43.179 PO/PSF = 2128.9 RUN NO = 166.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4559 | -.4147 | -.4353 | -.3598 |
| .230 | .0310  | .0054  | .0293  | -.0665 |
| .410 | .0276  | .0293  | .0208  | -.0613 |
| .590 | -.0048 | -.0270 | -.0356 | -.0596 |
| .770 | -.1316 | -.1008 | -.1162 | -.1437 |
| .878 | -.2569 | -.1780 | -.1694 | -.2071 |

BETA ( 2 ) = -5.060 ALPHA ( 5 ) = 6.250 Q(PSF) = 43.179 PO/PSF = 2128.9 RUN NO = 166.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4440 | -.3944 | -.3978 | -.4679 |
| .230 | .0394  | .0071  | .0054  | -.0577 |
| .410 | .0258  | .0564  | .0513  | -.0389 |
| .590 | -.0132 | -.0013 | -.0030 | -.0235 |
| .770 | -.1688 | -.0748 | -.0850 | -.1055 |
| .878 | -.2696 | -.1517 | -.1397 | -.1824 |

BETA ( 2 ) = -5.060 ALPHA ( 6 ) = 8.310 Q(PSF) = 43.179 PO/PSF = 2128.9 RUN NO = 166.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0730 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4450 | -.3662 | -.3559 | -.5084 |
| .230 | .0310  | .0054  | -.0235 | -.1006 |
| .410 | -.0270 | .1009  | .1043  | .0054  |
| .590 | -.0458 | .0412  | .0599  | .0412  |
| .770 | -.1589 | -.0321 | -.0287 | -.0527 |
| .878 | -.2377 | -.1126 | -.0921 | -.1555 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM27)

BETA ( 2 ) = -5.070 ALPHA ( 7 ) = 10.410 Q(PSF) = 43.179 PO/PSF = 2128.9 RUN NO = 165.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4378 | -.3295 | -.3244 | -.4395 |
| .230 | -.0752 | -.0082 | -.0305 | -.0786 |
| .410 | -.0580 | .1354  | .1559  | .0482  |
| .590 | -.0597 | .0824  | .1097  | .1012  |
| .770 | -.1456 | .0037  | .0242  | .0208  |
| .878 | -.2041 | -.0683 | -.0425 | -.0975 |

BETA ( 2 ) = -5.070 ALPHA ( 8 ) = 15.670 Q(PSF) = 43.179 PO/PSF = 2128.9 RUN NO = 165.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0885 | -.0868 | -.0817 | -.1091 |
| .230 | -.3846 | -.1074 | -.0954 | -.1433 |
| .410 | -.2905 | .0411  | .0326  | -.0064 |
| .590 | -.1844 | .1569  | .1910  | .1791  |
| .770 | -.1501 | .1127  | .1723  | .1706  |
| .878 | -.1536 | .0377  | .1024  | .0854  |

BETA ( 2 ) = -5.070 ALPHA ( 9 ) = 20.940 Q(PSF) = 43.179 PO/PSF = 2128.9 RUN NO = 165.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0200 | -.0234 | -.0269 | -.0269 |
| .230 | -.1344 | -.0576 | -.0627 | -.0793 |
| .410 | -.1071 | -.0303 | .0189  | .0003  |
| .590 | -.0866 | -.0866 | .1854  | .1582  |
| .770 | -.0542 | -.1770 | .2584  | .2346  |
| .878 | -.0371 | -.2180 | .2465  | .2041  |



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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM27)

BETA ( 3 ) = -2.030 ALPHA ( 1 ) = .000 Q(PSF) = 43.188 PO/PSF = 2128.9 RUN NO = 167.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7154 | -.5866 | -.6896 | -.1489 |
| .230 | -.0665 | -.0991 | -.0837 | -.1918 |
| .410 | -.0802 | -.1146 | -.1506 | -.2639 |
| .590 | -.1111 | -.1695 | -.2055 | -.2828 |
| .770 | -.2313 | -.2364 | -.2811 | -.3360 |
| .878 | -.3515 | -.3051 | -.3137 | -.3497 |

BETA ( 3 ) = -2.030 ALPHA ( 2 ) = 2.090 Q(PSF) = 43.188 PO/PSF = 2128.9 RUN NO = 167.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6840 | -.5484 | -.5862 | -.4232 |
| .230 | -.0390 | -.1076 | -.0596 | -.1711 |
| .410 | -.0562 | -.0562 | -.0819 | -.2002 |
| .590 | -.1042 | -.1196 | -.1471 | -.2071 |
| .770 | -.2757 | -.1934 | -.2277 | -.2774 |
| .878 | -.3838 | -.2671 | -.2689 | -.3014 |

BETA ( 3 ) = -2.030 ALPHA ( 3 ) = 4.140 Q(PSF) = 43.188 PO/PSF = 2128.9 RUN NO = 167.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6487 | -.5203 | -.5271 | -.6299 |
| .230 | -.0372 | -.1160 | -.1040 | -.1931 |
| .410 | -.1023 | -.0099 | -.0235 | -.1537 |
| .590 | -.1486 | -.0749 | -.0835 | -.1263 |
| .770 | -.2922 | -.1554 | -.1691 | -.2120 |
| .878 | -.4595 | -.2308 | -.2188 | -.2616 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM27)

BETA ( 3 ) = -2.030 ALPHA ( 4 ) = 5.200 Q(PSF) = 43.188 PO/PSF = 2128.9 RUN NO = 167.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6274 | -.5059 | -.5008 | -.6599 |
| .230 | -.0525 | -.1142 | -.1313 | -.2390 |
| .410 | -.1381 | .0139  | .0071  | -.1210 |
| .590 | -.1604 | -.0526 | -.0457 | -.0851 |
| .770 | -.2784 | -.1330 | -.1347 | -.1775 |
| .878 | -.3571 | -.2100 | -.1929 | -.2493 |

BETA ( 3 ) = -2.030 ALPHA ( 5 ) = 6.230 Q(PSF) = 43.188 PO/PSF = 2128.9 RUN NO = 167.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6127 | -.4996 | -.4859 | -.6349 |
| .230 | -.0972 | -.1160 | -.1468 | -.2530 |
| .410 | -.1657 | .0292  | .0326  | -.0955 |
| .590 | -.1708 | -.0321 | -.0184 | -.0509 |
| .770 | -.2753 | -.1143 | -.1092 | -.1451 |
| .878 | -.3455 | -.1914 | -.1691 | -.2325 |

BETA ( 3 ) = -2.030 ALPHA ( 6 ) = 8.320 Q(PSF) = 43.188 PO/PSF = 2128.9 RUN NO = 167.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5696 | -.4651 | -.4669 | -.5696 |
| .230 | -.2923 | -.1450 | -.1519 | -.2233 |
| .410 | -.2152 | .0565  | .0701  | -.0629 |
| .590 | -.1964 | -.0013 | .0309  | .0173  |
| .770 | -.2649 | -.0749 | -.0560 | -.0663 |
| .878 | -.3179 | -.1485 | -.1194 | -.1656 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM27)

BETA ( 3 ) = -2.030 ALPHA ( 7 ) = 10.410 Q(PSF) = 43.188 PO/PSF = 2128.9 RUN NO = 167.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2789 | -.3098 | -.3835 | -.4109 |
| .230 | -.5532 | -.2789 | -.2515 | -.3047 |
| .410 | -.3527 | .0412  | .0566  | -.0613 |
| .590 | -.2567 | .0480  | .0787  | .0753  |
| .770 | -.2721 | -.0253 | .0088  | .0139  |
| .878 | -.3047 | -.1024 | -.0578 | -.0938 |

BETA ( 3 ) = -2.030 ALPHA ( 8 ) = 15.660 Q(PSF) = 43.188 PO/PSF = 2128.9 RUN NO = 167.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1863 | -.1931 | -.1777 | -.1708 |
| .230 | -.4295 | -.2171 | -.2222 | -.2274 |
| .410 | -.4175 | -.0938 | -.1246 | -.1623 |
| .590 | -.3318 | .0327  | .0855  | .0753  |
| .770 | -.2719 | -.0372 | .1230  | .1469  |
| .878 | -.2599 | -.1366 | .0770  | .1025  |

BETA ( 3 ) = -2.040 ALPHA ( 9 ) = 20.930 Q(PSF) = 43.188 PO/PSF = 2128.9 RUN NO = 167.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1515 | -.1651 | -.1805 | -.1856 |
| .230 | -.2334 | -.2181 | -.2044 | -.2129 |
| .410 | -.2061 | -.2642 | -.1003 | -.1344 |
| .590 | -.1634 | -.3700 | .0764  | -.0320 |
| .770 | -.0849 | -.3734 | .1430  | .2109  |
| .878 | -.0559 | -.3341 | .1498  | .1871  |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP MAIN GEAR DOOR OUTER SURFACE

(RFFM27)

BETA ( 4 ) = -.030 ALPHA ( 1 ) = -.020 Q(PSF) = 43.194 PO/PSF = 2128.9 RUN NO = 168.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7920 | -.6239 | -.6840 | -.4267 |
| .230 | -.0767 | -.1694 | -.1145 | -.2397 |
| .410 | -.1025 | -.1162 | -.1539 | -.2929 |
| .590 | -.1625 | -.1797 | -.2174 | -.2997 |
| .770 | -.3409 | -.2517 | -.2946 | -.3409 |
| .878 | -.4455 | -.3238 | -.3289 | -.3563 |

BETA ( 4 ) = -.030 ALPHA ( 2 ) = 2.070 Q(PSF) = 43.194 PO/PSF = 2128.9 RUN NO = 168.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7473 | -.6084 | -.6238 | -.6684 |
| .230 | -.0836 | -.1899 | -.1608 | -.2671 |
| .410 | -.1522 | -.0699 | -.0956 | -.2414 |
| .590 | -.2054 | -.1350 | -.1556 | -.2139 |
| .770 | -.3529 | -.2174 | -.2362 | -.2843 |
| .878 | -.4369 | -.2894 | -.2825 | -.3151 |

BETA ( 4 ) = -.030 ALPHA ( 3 ) = 4.150 Q(PSF) = 43.194 PO/PSF = 2128.9 RUN NO = 168.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7095 | -.6035 | -.5761 | -.7283 |
| .230 | -.1587 | -.1929 | -.2151 | -.3349 |
| .410 | -.2254 | -.0286 | -.0372 | -.1826 |
| .590 | -.2425 | -.0971 | -.0902 | -.1330 |
| .770 | -.3503 | -.1775 | -.1758 | -.2202 |
| .878 | -.4221 | -.2510 | -.2356 | -.2921 |

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OF POOR QUALITY

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM27)

BETA ( 4 ) = -.030 ALPHA ( 4 ) = 5.220 Q(PSF) = 43.194 PO/PSF = 2128.9 RUN NO = 168.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7062 | -.5984 | -.5608 | -.6993 |
| .230 | -.2511 | -.2048 | -.2254 | -.3554 |
| .410 | -.2596 | -.0133 | -.0133 | -.1587 |
| .590 | -.2562 | -.0800 | -.0646 | -.0971 |
| .770 | -.3452 | -.1504 | -.1501 | -.1826 |
| .878 | -.4119 | -.2305 | -.2134 | -.2648 |

BETA ( 4 ) = -.030 ALPHA ( 5 ) = 6.230 Q(PSF) = 43.194 PO/PSF = 2128.9 RUN NO = 168.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6932 | -.5853 | -.5579 | -.6692 |
| .230 | -.3781 | -.2136 | -.2222 | -.3335 |
| .410 | -.2907 | -.0047 | .0003  | -.1451 |
| .590 | -.2702 | -.0646 | -.0424 | -.0629 |
| .770 | -.3455 | -.1451 | -.1263 | -.1468 |
| .878 | -.4072 | -.2154 | -.1914 | -.2325 |

BETA ( 4 ) = -.030 ALPHA ( 6 ) = 8.310 Q(PSF) = 43.194 PO/PSF = 2128.9 RUN NO = 168.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4759 | -.4553 | -.5256 | -.5736 |
| .230 | -.7312 | -.3063 | -.2720 | -.3594 |
| .410 | -.4039 | .0173  | .0241  | -.1246 |
| .590 | -.3165 | -.0201 | .0054  | .0105  |
| .770 | -.3423 | -.0989 | -.0681 | -.0664 |
| .878 | -.3817 | -.1692 | -.1332 | -.1640 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM27)

BETA ( 4 ) = -.030 ALPHA ( 7 ) = 10.410 Q(PSF) = 43.194 PO/PSF = 2128.9 RUN NO = 168.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3234 | -.3542 | -.4125 | -.4314 |
| .230 | -.6490 | -.3560 | -.3114 | -.3971 |
| .410 | -.5136 | -.0767 | -.0630 | -.1709 |
| .590 | -.3800 | .0105  | .0429  | .0241  |
| .770 | -.3560 | -.0612 | -.0065 | -.0048 |
| .878 | -.3731 | -.1503 | -.0664 | -.0784 |

BETA ( 4 ) = -.030 ALPHA ( 8 ) = 15.650 Q(PSF) = 43.194 PO/PSF = 2128.9 RUN NO = 168.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2633 | -.2719 | -.2616 | -.2667 |
| .230 | -.4380 | -.3130 | -.3130 | -.3369 |
| .410 | -.4363 | -.2068 | -.1999 | -.2445 |
| .590 | -.3729 | -.1759 | .0412  | .0190  |
| .770 | -.3164 | -.2993 | .1145  | .1349  |
| .878 | -.2838 | -.3472 | .0923  | .1059  |

BETA ( 4 ) = -.040 ALPHA ( 9 ) = 20.950 Q(PSF) = 43.194 PO/PSF = 2128.9 RUN NO = 168.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2435 | -.2640 | -.2913 | -.3016 |
| .230 | -.2896 | -.3357 | -.2947 | -.3186 |
| .410 | -.2708 | -.4329 | -.1992 | -.3476 |
| .590 | -.2145 | -.4926 | -.0337 | -.0507 |
| .770 | -.1139 | -.4380 | .0342  | .1921  |
| .878 | -.0627 | -.3869 | .0461  | .1616  |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(R7FM27)

BETA ( 5 ) = 1.990 ALPHA ( 1 ) = .000 Q(PSF) = 43.192 PO/PSF = 2128.9 RUN NO = 169.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.8348 | -.6773 | -.7098 | -.6807 |
| .230 | -.1245 | -.2546 | -.2152 | -.3350 |
| .410 | -.2066 | -.1279 | -.1673 | -.3282 |
| .590 | -.2580 | -.1947 | -.2255 | -.2939 |
| .770 | -.4155 | -.2734 | -.3008 | -.3470 |
| .878 | -.5044 | -.3419 | -.3419 | -.3641 |

BETA ( 5 ) = 1.990 ALPHA ( 2 ) = 2.100 Q(PSF) = 43.192 PO/PSF = 2128.9 RUN NO = 169.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.8068 | -.6854 | -.6580 | -.8102 |
| .230 | -.2116 | -.2663 | -.2817 | -.3946 |
| .410 | -.2766 | -.0868 | -.1056 | -.2663 |
| .590 | -.3023 | -.1569 | -.1603 | -.2099 |
| .770 | -.4186 | -.2356 | -.2424 | -.2869 |
| .878 | -.4921 | -.3074 | -.2920 | -.3382 |

BETA ( 5 ) = 1.990 ALPHA ( 3 ) = 4.150 Q(PSF) = 43.192 PO/PSF = 2128.9 RUN NO = 169.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.8017 | -.6868 | -.6389 | -.7623 |
| .230 | -.3418 | -.2772 | -.2978 | -.4366 |
| .410 | -.3492 | -.0578 | -.0613 | -.2309 |
| .590 | -.3321 | -.1264 | -.1092 | -.1418 |
| .770 | -.4126 | -.2052 | -.1949 | -.2241 |
| .878 | -.4795 | -.2755 | -.2532 | -.2978 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM27)

BETA ( 5 ) = 1.990 ALPHA ( 4 ) = 5.190 Q(PSF) = 43.192 PO/PSF = 2128.9 RUN NO = 169.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7584 | -.6627 | -.6473 | -.7447 |
| .230 | -.8148 | -.2867 | -.2867 | -.4080 |
| .410 | -.3892 | -.0440 | -.0406 | -.2098 |
| .590 | -.3414 | -.1089 | -.0833 | -.1004 |
| .770 | -.4029 | -.1841 | -.1636 | -.1773 |
| .878 | -.4627 | -.2542 | -.2183 | -.2559 |

BETA ( 5 ) = 1.990 ALPHA ( 5 ) = 6.270 Q(PSF) = 43.192 PO/PSF = 2128.9 RUN NO = 169.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6481 | -.5916 | -.6378 | -.7288 |
| .230 | -.8500 | -.3435 | -.3110 | -.4102 |
| .410 | -.4599 | -.0338 | -.0269 | -.2015 |
| .590 | -.3709 | -.0868 | -.0646 | -.0612 |
| .770 | -.4068 | -.1655 | -.1382 | -.1416 |
| .878 | -.4513 | -.2340 | -.1929 | -.2254 |

BETA ( 5 ) = 1.990 ALPHA ( 6 ) = 8.320 Q(PSF) = 43.192 PO/PSF = 2128.9 RUN NO = 169.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4270 | -.4883 | -.5472 | -.5833 |
| .230 | -.7876 | -.4476 | -.4116 | -.4751 |
| .410 | -.5850 | -.0820 | -.0785 | -.2124 |
| .590 | -.4356 | -.0339 | -.0116 | -.0236 |
| .770 | -.4116 | -.1266 | -.0682 | -.0682 |
| .878 | -.4356 | -.2073 | -.1266 | -.1420 |



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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM27)

BETA ( 5 ) = 1.990 ALPHA ( 7 ) = 10.400 Q(PSF) = 43.192 PO/PSF = 2128.9 RUN NO = 169.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3997 | -.4186 | -.4701 | -.4495 |
| .230 | -.6899 | -.4306 | -.4083 | -.4753 |
| .410 | -.5920 | -.1507 | -.1782 | -.2468 |
| .590 | -.4546 | -.0425 | .0020  | -.0202 |
| .770 | -.4083 | -.1438 | -.0184 | -.0150 |
| .878 | -.4083 | -.2331 | -.0682 | -.0614 |

BETA ( 5 ) = 1.990 ALPHA ( 8 ) = 15.670 Q(PSF) = 43.192 PO/PSF = 2128.9 RUN NO = 169.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3446 | -.3549 | -.3566 | -.3532 |
| .230 | -.4956 | -.4012 | -.4047 | -.4184 |
| .410 | -.4768 | -.3480 | -.2691 | -.3240 |
| .590 | -.4441 | -.4493 | -.0253 | -.0253 |
| .770 | -.3686 | -.5042 | .1079  | .1352  |
| .878 | -.3017 | -.4974 | .0959  | .1198  |

BETA ( 5 ) = 1.990 ALPHA ( 9 ) = 20.920 Q(PSF) = 43.192 PO/PSF = 2128.9 RUN NO = 169.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3338 | -.3730 | -.4156 | -.4378 |
| .230 | -.3508 | -.4702 | -.4190 | -.4634 |
| .410 | -.3611 | -.5776 | -.3287 | -.4958 |
| .590 | -.2673 | -.5998 | -.1445 | -.0456 |
| .770 | -.1411 | -.5265 | -.1053 | .1767  |
| .878 | -.0882 | -.4600 | -.0712 | .1547  |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM27)

BETA ( 6 ) = 5.020 ALPHA ( 1 ) = .000 Q(PSF) = 43.203 PO/PSF = 2128.9 RUN NO = 170.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.9466 | -.8061 | -.7633 | -.9089 |
| .230 | -.3746 | -.3746 | -.3797 | -.5030 |
| .410 | -.4088 | -.1520 | -.1811 | -.3677 |
| .590 | -.4037 | -.2222 | -.2324 | -.2804 |
| .770 | -.4979 | -.2958 | -.3044 | -.3438 |
| .878 | -.5732 | -.3643 | -.3523 | -.3866 |

BETA ( 6 ) = 5.010 ALPHA ( 2 ) = 2.060 Q(PSF) = 43.203 PO/PSF = 2128.9 RUN NO = 170.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.9261 | -.8131 | -.7600 | -.8782 |
| .230 | -.7155 | -.3661 | -.3849 | -.5425 |
| .410 | -.4688 | -.1229 | -.1349 | -.3164 |
| .590 | -.4209 | -.1914 | -.1794 | -.2068 |
| .770 | -.4842 | -.2650 | -.2547 | -.2719 |
| .878 | -.5476 | -.3318 | -.2993 | -.3301 |

BETA ( 6 ) = 5.010 ALPHA ( 3 ) = 4.160 Q(PSF) = 43.203 PO/PSF = 2128.9 RUN NO = 170.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |         |        |        |        |
|------|---------|--------|--------|--------|
| .050 | -.7972  | -.7289 | -.7767 | -.9150 |
| .230 | -1.0602 | -.3787 | -.3394 | -.4812 |
| .410 | -.5461  | -.0884 | -.0935 | -.2575 |
| .590 | -.4453  | -.1567 | -.1328 | -.1413 |
| .770 | -.4795  | -.2353 | -.2062 | -.2199 |
| .878 | -.5256  | -.3019 | -.2506 | -.2660 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM27)

BETA ( 6 ) = 5.010 ALPHA ( 4 ) = 5.210 Q(PSF) = 43.203 PO/PSF = 2128.9 RUN NO = 170.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |         |        |        |        |
|------|---------|--------|--------|--------|
| .050 | -.6211  | -.6365 | -.7868 | -.9046 |
| .230 | -1.1266 | -.4572 | -.3667 | -.4606 |
| .410 | -.6194  | -.0644 | -.0764 | -.2386 |
| .590 | -.4623  | -.1396 | -.1123 | -.1191 |
| .770 | -.4760  | -.2250 | -.1857 | -.1976 |
| .878 | -.5135  | -.3018 | -.2284 | -.2352 |

BETA ( 6 ) = 5.020 ALPHA ( 5 ) = 6.250 Q(PSF) = 43.203 PO/PSF = 2128.9 RUN NO = 170.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5674 | -.6205 | -.7864 | -.9078 |
| .230 | -.9746 | -.5247 | -.4289 | -.4597 |
| .410 | -.6461 | -.0663 | -.0680 | -.2373 |
| .590 | -.4802 | -.1261 | -.0919 | -.0936 |
| .770 | -.4734 | -.2305 | -.1621 | -.1706 |
| .878 | -.5007 | -.3092 | -.2048 | -.2082 |

BETA ( 6 ) = 5.010 ALPHA ( 6 ) = 8.320 Q(PSF) = 43.203 PO/PSF = 2128.9 RUN NO = 170.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5298 | -.5933 | -.6859 | -.7048 |
| .230 | -.7837 | -.5624 | -.5023 | -.5727 |
| .410 | -.6516 | -.1746 | -.1694 | -.2655 |
| .590 | -.5212 | -.1540 | -.0596 | -.0613 |
| .770 | -.4800 | -.2672 | -.0991 | -.0939 |
| .878 | -.4817 | -.3513 | -.1420 | -.1368 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM27)

BETA ( 6 ) = 5.010 ALPHA ( 7 ) = 10.410 Q(PSF) = 43.203 PO/PSF = 2128.9 RUN NO = 170.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5126 | -.5195 | -.5143 | -.5075 |
| .230 | -.7769 | -.5504 | -.5589 | -.5727 |
| .410 | -.7340 | -.3187 | -.3410 | -.4114 |
| .590 | -.6070 | -.2295 | -.0716 | -.0905 |
| .770 | -.5229 | -.3582 | -.0304 | -.0065 |
| .878 | -.4817 | -.4285 | -.0699 | -.0373 |

BETA ( 6 ) = 5.010 ALPHA ( 8 ) = 15.660 Q(PSF) = 43.203 PO/PSF = 2128.9 RUN NO = 170.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4626 | -.4849 | -.4711 | -.4694 |
| .230 | -.5655 | -.5415 | -.5312 | -.5518 |
| .410 | -.5466 | -.5552 | -.3820 | -.4437 |
| .590 | -.4952 | -.6804 | -.1333 | -.1796 |
| .770 | -.3785 | -.6049 | .0139  | .0293  |
| .878 | -.3048 | -.5449 | .0003  | .0293  |

BETA ( 6 ) = 5.010 ALPHA ( 9 ) = 20.940 Q(PSF) = 43.203 PO/PSF = 2128.9 RUN NO = 170.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4696 | -.5226 | -.5807 | -.6064 |
| .230 | -.4611 | -.6149 | -.6081 | -.7192 |
| .410 | -.4799 | -.7363 | -.5705 | -.7363 |
| .590 | -.3483 | -.7414 | -.3551 | -.1090 |
| .770 | -.1756 | -.6303 | -.2850 | .0530  |
| .878 | -.1141 | -.5363 | -.2303 | .0003  |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(R: FM27)

BETA ( 7 ) = 10.070 ALPHA ( 1 ) = .010 Q(PSF) = 43.168 PO/PSF = 2129.0 RUN NO = 171.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |         |        |        |        |
|------|---------|--------|--------|--------|
| .050 | -1.0058 | -.8809 | -.9459 | -.9100 |
| .230 | -1.1581 | -.3914 | -.3504 | -.5318 |
| .410 | -.6156  | -.1878 | -.2049 | -.3401 |
| .590 | -.5232  | -.2665 | -.2494 | -.2545 |
| .770 | -.5780  | -.3589 | -.3127 | -.3418 |
| .878 | -.6379  | -.4257 | -.3487 | -.3675 |

BETA ( 7 ) = 10.070 ALPHA ( 2 ) = 2.080 Q(PSF) = 43.168 PO/PSF = 2129.0 RUN NO = 171.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |         |        |        |         |
|------|---------|--------|--------|---------|
| .050 | -.8785  | -.8544 | -.9935 | -1.0278 |
| .230 | -1.1806 | -.4407 | -.3738 | -.5815  |
| .410 | -.6948  | -.1661 | -.1867 | -.3377  |
| .590 | -.5403  | -.2828 | -.2244 | -.2313  |
| .770 | -.5592  | -.3978 | -.2931 | -.3103  |
| .878 | -.5935  | -.4682 | -.3223 | -.3223  |

BETA ( 7 ) = 10.070 ALPHA ( 3 ) = 4.170 Q(PSF) = 43.168 PO/PSF = 2129.0 RUN NO = 171.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |         |         |
|------|--------|--------|---------|---------|
| .050 | -.7678 | -.8621 | -1.0628 | -1.1674 |
| .230 | -.8415 | -.8649 | -.4403  | -.5946  |
| .410 | -.6872 | -.2413 | -.2191  | -.3511  |
| .590 | -.5432 | -.3219 | -.2139  | -.2225  |
| .770 | -.5329 | -.4386 | -.2636  | -.2705  |
| .878 | -.5432 | -.5003 | -.2876  | -.2636  |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM27)

BETA ( 7 ) = 10.070 ALPHA ( 4 ) = 5.230 Q(PSF) = 43.168 PO/PSF = 2129.0 RUN NO = 171.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |         |         |
|------|--------|--------|---------|---------|
| .050 | -.7648 | -.8746 | -1.0136 | -1.0410 |
| .230 | -.7888 | -.8008 | -.6001  | -.7013  |
| .410 | -.7665 | -.3307 | -.2243  | -.3444  |
| .590 | -.6069 | -.3273 | -.1831  | -.1797  |
| .770 | -.5417 | -.4354 | -.2278  | -.2312  |
| .878 | -.5160 | -.5023 | -.2552  | -.2346  |

BETA ( 7 ) = 10.070 ALPHA ( 5 ) = 6.250 Q(PSF) = 43.168 PO/PSF = 2129.0 RUN NO = 171.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7704 | -.8252 | -.8818 | -.8818 |
| .230 | -.8304 | -.8184 | -.7036 | -.7995 |
| .410 | -.8372 | -.4689 | -.3267 | -.4244 |
| .590 | -.6865 | -.4227 | -.1589 | -.1709 |
| .770 | -.5820 | -.5032 | -.1709 | -.1657 |
| .878 | -.5220 | -.5494 | -.2103 | -.1897 |

BETA ( 7 ) = 10.070 ALPHA ( 6 ) = 8.330 Q(PSF) = 43.168 PO/PSF = 2129.0 RUN NO = 171.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7342 | -.7547 | -.7462 | -.7376 |
| .230 | -.9191 | -.8061 | -.8164 | -.8318 |
| .410 | -.8952 | -.6331 | -.5390 | -.6314 |
| .590 | -.7821 | -.6674 | -.1845 | -.1965 |
| .770 | -.6195 | -.6623 | -.0903 | -.0458 |
| .878 | -.4944 | -.6571 | -.1417 | -.0698 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM27)

BETA ( 7 ) = 10.070 ALPHA ( 7 ) = 10.410 Q(P5F) = 43.168 PO/P5F = 2129.0 RUN NO = 171.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7191 | -.7414 | -.7259 | -.7105 |
| .230 | -.8599 | -.7912 | -.8015 | -.8170 |
| .410 | -.8376 | -.7603 | -.6109 | -.7242 |
| .590 | -.7706 | -.8650 | -.2056 | -.2589 |
| .770 | -.5937 | -.7620 | -.0648 | .0020  |
| .878 | -.4941 | -.7294 | -.1249 | -.0270 |

BETA ( 7 ) = 10.070 ALPHA ( 8 ) = 15.690 Q(P5F) = 43.168 PO/P5F = 2129.0 RUN NO = 171.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6958 | -.7249 | -.7386 | -.7249 |
| .230 | -.7335 | -.8329 | -.7489 | -.7969 |
| .410 | -.7232 | -.8501 | -.5431 | -.6323 |
| .590 | -.5912 | -.8227 | -.3682 | -.4814 |
| .770 | -.4403 | -.7249 | -.3442 | -.2551 |
| .878 | -.3562 | -.6597 | -.3357 | -.2911 |

BETA ( 7 ) = 10.070 ALPHA ( 9 ) = 20.930 Q(P5F) = 43.168 PO/P5F = 2129.0 RUN NO = 171.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |         |
|------|--------|--------|--------|---------|
| .050 | -.6320 | -.6678 | -.8076 | -.7974  |
| .230 | -.6218 | -.6951 | -.7922 | -.9900  |
| .410 | -.5365 | -.7752 | -.7991 | -1.0002 |
| .590 | -.4360 | -.8110 | -.6559 | -.6030  |
| .770 | -.2706 | -.6763 | -.4905 | -.3865  |
| .878 | -.2075 | -.5672 | -.4104 | -.3405  |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM2B) ( 03 FEB 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0405

## PARAMETRIC DATA

MACH = .170 ELEVON = .000  
 BDFLAP = -11.700 SPDBRK = 85.000  
 PHI-N = 66.000 THETAN = 108.000  
 PHI-M = 88.000 THETAM = 98.000

BETA ( 1 ) = -10.080 ALPHA ( 1 ) = -.010 Q(PSF) = 43.316 PO/PSF = 2129.3 RUN NO = 172.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.0800 .0650 .1093 .0667  
 .230 -.1656 -.0766 -.0834 -.1622  
 .410 -.1690 -.1091 -.1228 -.1519  
 .590 -.1314 -.1433 -.1536 -.1673  
 .770 -.1896 -.1998 -.2152 -.2358  
 .878 -.2769 -.2717 -.2546 -.2837

BETA ( 1 ) = -10.080 ALPHA ( 2 ) = 2.060 Q(PSF) = 43.316 PO/PSF = 2129.3 RUN NO = 172.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.0936 -.0235 .1211 .0905  
 .230 -.0833 -.0218 -.0303 -.1022  
 .410 -.0936 -.0526 -.0628 -.0902  
 .590 -.0680 -.0886 -.0970 -.1073  
 .770 -.1329 -.1466 -.1637 -.1774  
 .878 -.2201 -.2219 -.2082 -.2338

BETA ( 1 ) = -10.080 ALPHA ( 3 ) = 4.150 Q(PSF) = 43.316 PO/PSF = 2129.3 RUN NO = 172.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.1052 -.2433 -.0848 .1275  
 .230 -.0098 .0325 .0257 -.0439  
 .410 -.0200 .0054 -.0047 -.0336  
 .590 -.0098 -.0319 -.0388 -.0473  
 .770 -.0745 -.0967 -.1086 -.1172  
 .878 -.1632 -.1700 -.1564 -.1819



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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM28)

BETA ( 1 ) = -10.080 ALPHA ( 4 ) = 6.230 Q(PSF) = 43.316 PO/PSF = 2129.3 RUN NO = 172.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0968 | -.3015 | -.2913 | .1615  |
| .230 | .0597  | .0936  | .0885  | .0054  |
| .410 | .0478  | .0597  | .0546  | .0257  |
| .590 | .0444  | .0172  | .0138  | .0088  |
| .770 | -.0200 | -.0456 | -.0541 | -.0576 |
| .878 | -.1173 | -.1224 | -.1053 | -.1309 |

BETA ( 1 ) = -10.080 ALPHA ( 5 ) = 8.340 Q(PSF) = 43.316 PO/PSF = 2129.3 RUN NO = 172.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0507 | -.2436 | -.2418 | .0682  |
| .230 | .1157  | .1548  | .1650  | .0546  |
| .410 | .1123  | .1157  | .1174  | .0852  |
| .590 | .1004  | .0733  | .0784  | .0716  |
| .770 | .0274  | .0054  | .0020  | .0088  |
| .878 | -.0661 | -.0729 | -.0542 | -.0695 |

BETA ( 1 ) = -10.080 ALPHA ( 6 ) = 10.430 Q(PSF) = 43.316 PO/PSF = 2129.3 RUN NO = 172.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0081 | -.1994 | -.1686 | -.2096 |
| .230 | .1583  | .2023  | .1855  | .0903  |
| .410 | .1651  | .1736  | .1804  | .1447  |
| .590 | .1447  | .1280  | .1362  | .1413  |
| .770 | .0631  | .0546  | .0580  | .0750  |
| .878 | -.0252 | -.0252 | -.0030 | -.0200 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM28)

BETA ( 1 ) = -10.080 ALPHA ( 7 ) = 15.630 Q(PSF) = 43.316 PO/PSF = 2129.3 RUN NO = 172.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1365 | -.0732 | -.0880 | -.1571 |
| .230 | .1297  | .1655  | .1451  | .1366  |
| .410 | .1315  | .2763  | .3018  | .2490  |
| .590 | .1297  | .2422  | .2746  | .3001  |
| .770 | .0480  | .1706  | .1945  | .2354  |
| .878 | -.0116 | .0940  | .1229  | .1110  |

BETA ( 1 ) = -10.090 ALPHA ( 8 ) = 20.920 Q(PSF) = 43.316 PO/PSF = 2129.3 RUN NO = 172.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |       |       |       |
|------|--------|-------|-------|-------|
| .050 | .1544  | .1459 | .1679 | .1510 |
| .230 | -.0591 | .1205 | .1239 | .0832 |
| .410 | -.0268 | .2120 | .1984 | .1849 |
| .590 | .0426  | .3051 | .3390 | .3356 |
| .770 | .0646  | .2831 | .3322 | .3203 |
| .878 | .0578  | .2187 | .2661 | .2289 |

BETA ( 2 ) = -5.050 ALPHA ( 1 ) = -.030 Q(PSF) = 43.334 PO/PSF = 2129.1 RUN NO = 173.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5789 | -.5891 | -.6011 | -.0491 |
| .230 | -.0953 | -.0850 | -.1192 | -.1739 |
| .410 | -.1072 | -.1311 | -.1602 | -.2132 |
| .590 | -.1089 | -.1704 | -.2046 | -.2696 |
| .770 | -.1824 | -.2234 | -.2525 | -.2644 |
| .878 | -.2730 | -.2849 | -.2798 | -.2869 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM28)

BETA ( 2 ) = -5.050 ALPHA ( 2 ) = 2.070 Q(PSF) = 43.334 PO/PSF = 2129.1 RUN NO = 173.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5337 | -.4996 | -.5849 | -.0252 |
| .230 | -.0320 | -.0252 | -.0320 | -.1275 |
| .410 | -.0439 | -.0644 | -.0866 | -.1361 |
| .590 | -.0593 | -.1139 | -.1412 | -.2095 |
| .770 | -.1463 | -.1770 | -.2026 | -.2231 |
| .878 | -.2436 | -.2453 | -.2385 | -.2607 |

BETA ( 2 ) = -5.060 ALPHA ( 3 ) = 4.150 Q(PSF) = 43.334 PO/PSF = 2129.1 RUN NO = 173.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4785 | -.4393 | -.4768 | -.1836 |
| .230 | .0070  | -.0047 | .0325  | -.0865 |
| .410 | .0054  | -.0081 | -.0166 | -.0916 |
| .590 | -.0183 | -.0626 | -.0745 | -.1035 |
| .770 | -.1206 | -.1325 | -.1547 | -.1887 |
| .878 | -.2262 | -.2058 | -.2058 | -.2450 |

BETA ( 2 ) = -5.060 ALPHA ( 4 ) = 6.260 Q(PSF) = 43.334 PO/PSF = 2129.1 RUN NO = 173.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4623 | -.4010 | -.4027 | -.4538 |
| .230 | .0375  | .0003  | .0121  | -.0591 |
| .410 | .0273  | .0527  | .0426  | -.0472 |
| .590 | -.0098 | -.0098 | -.0115 | -.0336 |
| .770 | -.1680 | -.0812 | -.0948 | -.1152 |
| .878 | -.2734 | -.1612 | -.1493 | -.1918 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-761 )

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OA163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM2B)

BETA ( 2 ) = -5.050 ALPHA ( 5 ) = 8.310 Q(PSF) = 43.334 PO/PSF = 2129.1 RUN NO = 173.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4519 | -.3700 | -.3597 | -.5151 |
| .230 | .0325  | .0020  | -.0200 | -.0951 |
| .410 | -.0286 | .0971  | .1022  | -.0013 |
| .590 | -.0456 | .0359  | .0495  | .0342  |
| .770 | -.1634 | -.0405 | -.0371 | -.0576 |
| .878 | -.2454 | -.1207 | -.1003 | -.1651 |

BETA ( 2 ) = -5.060 ALPHA ( 6 ) = 10.450 Q(PSF) = 43.334 PO/PSF = 2129.1 RUN NO = 173.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4494 | -.3365 | -.3313 | -.4476 |
| .230 | -.0645 | -.0133 | -.0303 | -.0834 |
| .410 | -.0594 | .1279  | .1500  | .0411  |
| .590 | -.0663 | .0734  | .1041  | .0939  |
| .770 | -.1518 | -.0013 | .0139  | .0054  |
| .878 | -.2150 | -.0782 | -.0543 | -.1107 |

BETA ( 2 ) = -5.060 ALPHA ( 7 ) = 15.700 Q(PSF) = 43.334 PO/PSF = 2129.1 RUN NO = 173.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0934 | -.0917 | -.1020 | -.1225 |
| .230 | -.3922 | -.1122 | -.1037 | -.1515 |
| .410 | -.2949 | .0444  | .0274  | -.0047 |
| .590 | -.1873 | .1549  | .1871  | .1753  |
| .770 | -.1583 | .1039  | .1651  | .1617  |
| .878 | -.1566 | .0308  | .0954  | .0784  |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM28)

BETA ( 2 ) = -5.060 ALPHA ( 8 ) = 20.910 Q(PSF) = 43.334 PO/PSF = 2129.1 RUN NO = 173.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0269 | -.0303 | -.0303 | -.0320 |
| .230 | -.1448 | -.0594 | -.0679 | -.0833 |
| .410 | -.1226 | -.0252 | .0071  | .0003  |
| .590 | -.0867 | -.0918 | .1805  | .1601  |
| .770 | -.0577 | -.1790 | .2537  | .2332  |
| .878 | -.0457 | -.2183 | .2435  | .1992  |

BETA ( 3 ) = -2.020 ALPHA ( 1 ) = -.020 Q(PSF) = 43.248 PO/PSF = 2129.1 RUN NO = 174.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7178 | -.5947 | -.6973 | -.1432 |
| .230 | -.0765 | -.1022 | -.0970 | -.1979 |
| .410 | -.0868 | -.1244 | -.1586 | -.2732 |
| .590 | -.1176 | -.1774 | -.2150 | -.2937 |
| .770 | -.2338 | -.2441 | -.2886 | -.3467 |
| .878 | -.3553 | -.3108 | -.3228 | -.3587 |

BETA ( 3 ) = -2.010 ALPHA ( 2 ) = 2.080 Q(PSF) = 43.248 PO/PSF = 2129.1 RUN NO = 174.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6966 | -.5510 | -.5989 | -.3849 |
| .230 | -.0441 | -.1092 | -.0578 | -.1759 |
| .410 | -.0561 | -.0681 | -.0937 | -.2051 |
| .590 | -.1074 | -.1297 | -.1571 | -.2188 |
| .770 | -.2753 | -.2051 | -.2359 | -.2855 |
| .878 | -.3883 | -.2770 | -.2787 | -.3147 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM28)

BETA ( 3 ) = -2.020 ALPHA ( 3 ) = 4.130 Q(PSF) = 43.248 PO/PSF = 2129.1 RUN NO = 174.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6578 | -.5176 | -.5364 | -.6116 |
| .230 | -.0389 | -.1226 | -.1056 | -.1945 |
| .410 | -.1004 | -.0166 | -.0337 | -.1603 |
| .590 | -.1432 | -.0833 | -.0919 | -.1380 |
| .770 | -.2868 | -.1620 | -.1774 | -.2201 |
| .878 | -.3740 | -.2389 | -.2286 | -.2697 |

BETA ( 3 ) = -2.020 ALPHA ( 4 ) = 5.180 Q(PSF) = 43.248 PO/PSF = 2129.1 RUN NO = 174.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6431 | -.5096 | -.5079 | -.6585 |
| .230 | -.0509 | -.1211 | -.1296 | -.2306 |
| .410 | -.1365 | .0037  | -.0064 | -.1313 |
| .590 | -.1639 | -.0612 | -.0612 | -.0988 |
| .770 | -.2837 | -.1433 | -.1467 | -.1878 |
| .878 | -.3641 | -.2186 | -.2049 | -.2597 |

BETA ( 3 ) = -2.010 ALPHA ( 5 ) = 6.230 Q(PSF) = 43.248 PO/PSF = 2129.1 RUN NO = 174.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6253 | -.5039 | -.4937 | -.6458 |
| .230 | -.0885 | -.1227 | -.1415 | -.2577 |
| .410 | -.1654 | .0207  | .0224  | -.1056 |
| .590 | -.1722 | -.0423 | -.0303 | -.0611 |
| .770 | -.2817 | -.1227 | -.1175 | -.1586 |
| .878 | -.3518 | -.2013 | -.1808 | -.2440 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(PFFM28)

BETA ( 3 ) = -2.010 ALPHA ( 6 ) = 8.310 Q(PSF) = 43.248 PO/PSF = 2129.1 RUN NO = 174.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5866 | -.4753 | -.4719 | -.5763 |
| .230 | -.2751 | -.1399 | -.1519 | -.2306 |
| .410 | -.2118 | .0514  | .0667  | -.0663 |
| .590 | -.1964 | -.0082 | .0207  | .0054  |
| .770 | -.2699 | -.0851 | -.0646 | -.0766 |
| .878 | -.3264 | -.1587 | -.1296 | -.1792 |

BETA ( 3 ) = -2.010 ALPHA ( 7 ) = 10.380 Q(PSF) = 43.248 PO/PSF = 2129.1 RUN NO = 174.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3097 | -.3166 | -.3954 | -.4176 |
| .230 | -.5633 | -.2754 | -.2446 | -.3063 |
| .410 | -.3405 | .0446  | .0548  | -.0612 |
| .590 | -.2514 | .0361  | .0702  | .0736  |
| .770 | -.2754 | -.0355 | -.0048 | -.0013 |
| .878 | -.3097 | -.1092 | -.0698 | -.1058 |

BETA ( 3 ) = -2.010 ALPHA ( 8 ) = 15.690 Q(PSF) = 43.248 PO/PSF = 2129.1 RUN NO = 174.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1926 | -.1943 | -.1789 | -.1704 |
| .230 | -.4437 | -.2199 | -.2216 | -.2319 |
| .410 | -.4249 | -.0952 | -.1225 | -.1601 |
| .590 | -.3344 | .0343  | .0853  | .0751  |
| .770 | -.2712 | -.0286 | .1176  | .1397  |
| .878 | -.2592 | -.1345 | .0734  | .0989  |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM20)

BETA ( 3 ) = -2.020 ALPHA ( 9 ) = 20.950 Q(PSF) = 43.248 PO/PSF = 2129.1 RUN NO = 174.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1581 | -.1683 | -.1752 | -.1803 |
| .230 | -.2331 | -.2127 | -.1990 | -.2110 |
| .410 | -.2093 | -.2502 | -.0950 | -.1598 |
| .590 | -.1598 | -.3695 | .0630  | -.0388 |
| .770 | -.1087 | -.3866 | .1547  | .1903  |
| .878 | -.0575 | -.3491 | .1513  | .1716  |

BETA ( 4 ) = -.010 ALPHA ( 1 ) = -.020 Q(PSF) = 43.250 PO/PSF = 2129.1 RUN NO = 175.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.8020 | -.6275 | -.6925 | -.3896 |
| .230 | -.0783 | -.1724 | -.1176 | -.2459 |
| .410 | -.1073 | -.1262 | -.1621 | -.3007 |
| .590 | -.1638 | -.1860 | -.2254 | -.3075 |
| .770 | -.3417 | -.2630 | -.3024 | -.3503 |
| .878 | -.4495 | -.3315 | -.3383 | -.3623 |

BETA ( 4 ) = -.010 ALPHA ( 2 ) = 2.070 Q(PSF) = 43.250 PO/PSF = 2129.1 RUN NO = 175.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7548 | -.6143 | -.6297 | -.6537 |
| .230 | -.0835 | -.1965 | -.1657 | -.2667 |
| .410 | -.1598 | -.0749 | -.1057 | -.2461 |
| .590 | -.2102 | -.1468 | -.1674 | -.2256 |
| .770 | -.3592 | -.2239 | -.2479 | -.2907 |
| .878 | -.4465 | -.2992 | -.2941 | -.3266 |



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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM28)

BETA ( 4 ) = -.010 ALPHA ( 3 ) = 4.140 Q(PSF) = 43.250 PO/PSF = 2129.1 RUN NO = 175.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7228 | -.6100 | -.5860 | -.7434 |
| .230 | -.1534 | -.2013 | -.2184 | -.3381 |
| .410 | -.2270 | -.0372 | -.0491 | -.1928 |
| .590 | -.2458 | -.1073 | -.1039 | -.1449 |
| .770 | -.3569 | -.1894 | -.1911 | -.2355 |
| .878 | -.4339 | -.2629 | -.2509 | -.3039 |

BETA ( 4 ) = -.010 ALPHA ( 4 ) = 5.190 Q(PSF) = 43.250 PO/PSF = 2129.1 RUN NO = 175.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7233 | -.6086 | -.5676 | -.7079 |
| .230 | -.2254 | -.2083 | -.2322 | -.3674 |
| .410 | -.2613 | -.0218 | -.0235 | -.1706 |
| .590 | -.2562 | -.0885 | -.0714 | -.1073 |
| .770 | -.3537 | -.1672 | -.1638 | -.1980 |
| .878 | -.4222 | -.2425 | -.2257 | -.2784 |

BETA ( 4 ) = -.010 ALPHA ( 5 ) = 6.240 Q(PSF) = 43.250 PO/PSF = 2129.1 RUN NO = 175.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7039 | -.5908 | -.5651 | -.6782 |
| .230 | -.3560 | -.2121 | -.2275 | -.3423 |
| .410 | -.2840 | -.0082 | -.0013 | -.1486 |
| .590 | -.2703 | -.0715 | -.0475 | -.0715 |
| .770 | -.3474 | -.1504 | -.1367 | -.1606 |
| .878 | -.4091 | -.2258 | -.2001 | -.2480 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM28)

BETA ( 4 ) = -.010 ALPHA ( 6 ) = 8.310 Q(PSF) = 43.250 PO/PSF = 2129.1 RUN NO = 175.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5125 | -.4681 | -.5330 | -.5895 |
| .230 | -.7211 | -.2885 | -.2731 | -.3518 |
| .410 | -.3997 | .0139  | .0190  | -.1295 |
| .590 | -.3159 | -.0303 | -.0030 | .0037  |
| .770 | -.3518 | -.1073 | -.0816 | -.0748 |
| .878 | -.3894 | -.1791 | -.1398 | -.1774 |

BETA ( 4 ) = -.010 ALPHA ( 7 ) = 10.400 Q(PSF) = 43.250 PO/PSF = 2129.1 RUN NO = 175.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3354 | -.3680 | -.4297 | -.4468 |
| .230 | -.6542 | -.3577 | -.3200 | -.4023 |
| .410 | -.5120 | -.0715 | -.0612 | -.1692 |
| .590 | -.3817 | .0071  | .0378  | .0241  |
| .770 | -.3629 | -.0732 | -.0133 | -.0099 |
| .878 | -.3817 | -.1555 | -.0732 | -.0904 |

BETA ( 4 ) = -.010 ALPHA ( 8 ) = 15.640 Q(PSF) = 43.250 PO/PSF = 2129.1 RUN NO = 175.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2670 | -.2670 | -.2636 | -.2670 |
| .230 | -.4560 | -.3112 | -.3112 | -.3351 |
| .410 | -.4441 | -.2005 | -.2091 | -.2465 |
| .590 | -.3743 | -.1494 | .0274  | .0189  |
| .770 | -.3232 | -.2636 | .1037  | .1342  |
| .878 | -.2925 | -.3368 | .0816  | .0986  |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM28)

BETA ( 4 ) = -.010 ALPHA ( 9 ) = 20.930 Q(PSF) = 43.250 PO/PSF = 2129.1 RUN NO = 175.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2436 | -.2624 | -.2897 | -.3017 |
| .230 | -.2932 | -.3341 | -.2932 | -.3205 |
| .410 | -.2693 | -.4178 | -.1822 | -.3136 |
| .590 | -.2215 | -.4895 | -.0217 | -.0576 |
| .770 | -.1242 | -.4468 | .0478  | .2007  |
| .878 | -.0678 | -.7770 | .0495  | .1633  |

BETA ( 5 ) = 2.000 ALPHA ( 1 ) = .000 Q(PSF) = 43.271 PO/PSF = 2129.1 RUN NO = 176.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6459 | -.6849 | -.7191 | -.6660 |
| .230 | -.1246 | -.2617 | -.2086 | -.3371 |
| .410 | -.2017 | -.1315 | -.1726 | -.3371 |
| .590 | -.2617 | -.2000 | -.2343 | -.3079 |
| .770 | -.4210 | -.2788 | -.3114 | -.3559 |
| .878 | -.5135 | -.3508 | -.3508 | -.3748 |

BETA ( 5 ) = 2.000 ALPHA ( 2 ) = 2.070 Q(PSF) = 43.271 PO/PSF = 2129.1 RUN NO = 176.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.8103 | -.6923 | -.6683 | -.8171 |
| .230 | -.1963 | -.2732 | -.2766 | -.3930 |
| .410 | -.2784 | -.0919 | -.1124 | -.2749 |
| .590 | -.3040 | -.1638 | -.1706 | -.2219 |
| .770 | -.4203 | -.2424 | -.2544 | -.3006 |
| .878 | -.4973 | -.3160 | -.3074 | -.3485 |

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OA163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(PFFM28)

BETA ( 5 ) = 2.000 ALPHA ( 3 ) = 4.160 Q(PSF) = 43.271 PO/PSF = 2129.1 RUN NO = 176.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5920 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.8021 | -.6928 | -.6433 | -.7662 |
| .230 | -.4111 | -.2796 | -.3001 | -.4435 |
| .410 | -.3513 | -.0644 | -.0679 | -.2352 |
| .590 | -.3359 | -.1310 | -.1174 | -.1464 |
| .770 | -.4145 | -.2130 | -.2045 | -.2284 |
| .878 | -.4828 | -.2830 | -.2625 | -.3069 |

BETA ( 5 ) = 2.000 ALPHA ( 4 ) = 5.180 Q(PSF) = 43.271 PO/PSF = 2129.1 RUN NO = 176.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5920 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7749 | -.6730 | -.6465 | -.7509 |
| .230 | -.5934 | -.2820 | -.2922 | -.4206 |
| .410 | -.3861 | -.0526 | -.0492 | -.2152 |
| .590 | -.3470 | -.1159 | -.0937 | -.1125 |
| .770 | -.4120 | -.1930 | -.1775 | -.1895 |
| .878 | -.4736 | -.2631 | -.2340 | -.2717 |

BETA ( 5 ) = 2.000 ALPHA ( 5 ) = 6.230 Q(PSF) = 43.271 PO/PSF = 2129.1 RUN NO = 176.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5920 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6904 | -.6254 | -.6391 | -.7314 |
| .230 | -.8032 | -.3176 | -.3022 | -.4168 |
| .410 | -.4373 | -.0406 | -.0372 | -.2065 |
| .590 | -.3689 | -.0953 | -.0697 | -.0765 |
| .770 | -.4116 | -.1740 | -.1483 | -.1534 |
| .878 | -.4629 | -.2458 | -.2047 | -.2389 |

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OF POOR QUALITY

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OA163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM2B)

BETA ( 5 ) = 2.000 ALPHA ( 6 ) = 8.330 Q(PSF) = 43.271 PO/PSF = 2129.1 RUN NO = 176.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5920 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4334 | -.4728 | -.5620 | -.5928 |
| .230 | -.8295 | -.4522 | -.4162 | -.4814 |
| .410 | -.5943 | -.0784 | -.0664 | -.2156 |
| .590 | -.4334 | -.0441 | -.0201 | -.0304 |
| .770 | -.4179 | -.1299 | -.0819 | -.0750 |
| .878 | -.4454 | -.2139 | -.1384 | -.1573 |

BETA ( 5 ) = 2.000 ALPHA ( 7 ) = 10.420 Q(PSF) = 43.271 PO/PSF = 2129.1 RUN NO = 176.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5920 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3980 | -.4271 | -.4698 | -.4955 |
| .230 | -.6870 | -.4408 | -.4117 | -.4750 |
| .410 | -.5947 | -.1483 | -.1671 | -.2458 |
| .590 | -.4527 | -.0474 | -.0013 | -.0235 |
| .770 | -.4066 | -.1432 | -.0235 | -.0218 |
| .878 | -.4134 | -.2355 | -.0782 | -.0748 |

BETA ( 5 ) = 2.000 ALPHA ( 8 ) = 15.680 Q(PSF) = 43.271 PO/PSF = 2129.1 RUN NO = 176.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5920 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3452 | -.3606 | -.3589 | -.3555 |
| .230 | -.5036 | -.4014 | -.4031 | -.4253 |
| .410 | -.4849 | -.3384 | -.2686 | -.3333 |
| .590 | -.4457 | -.4185 | -.0132 | -.0200 |
| .770 | -.3776 | -.4934 | .1053  | .1341  |
| .878 | -.3129 | -.4917 | .0850  | .1138  |

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OA163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM28)

BETA ( 5 ) = 2.000 ALPHA ( 9 ) = 20.960 Q(PSF) = 43.271 PO/PSF = 2129.1 RUN NO = 176.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3317 | -.3657 | -.4117 | -.4219 |
| .230 | -.3589 | -.4611 | -.4168 | -.4492 |
| .410 | -.3640 | -.5769 | -.3231 | -.4935 |
| .590 | -.2755 | -.5956 | -.1443 | -.0302 |
| .770 | -.1290 | -.5190 | -.0949 | .1765  |
| .878 | -.0864 | -.4577 | -.0643 | .1409  |

BETA ( 6 ) = 5.030 ALPHA ( 1 ) = .000 Q(PSF) = 43.320 PO/PSF = 2129.2 RUN NO = 177.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.9585 | -.8152 | -.7691 | -.9176 |
| .230 | -.3511 | -.3732 | -.3886 | -.4978 |
| .410 | -.4091 | -.1599 | -.1941 | -.3732 |
| .590 | -.4091 | -.2299 | -.2436 | -.2965 |
| .770 | -.5063 | -.3067 | -.3203 | -.3562 |
| .878 | -.5848 | -.3732 | -.3630 | -.3988 |

BETA ( 6 ) = 5.030 ALPHA ( 2 ) = 2.110 Q(PSF) = 43.320 PO/PSF = 2129.2 RUN NO = 177.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.9387 | -.8126 | -.7614 | -.8842 |
| .230 | -.6899 | -.3762 | -.3882 | -.5501 |
| .410 | -.4632 | -.1308 | -.1427 | -.3251 |
| .590 | -.4257 | -.1973 | -.1870 | -.2160 |
| .770 | -.4938 | -.2723 | -.2620 | -.2808 |
| .878 | -.5569 | -.3353 | -.3115 | -.3404 |

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OA163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM28)

BETA ( 6 ) = 5.030 ALPHA ( 3 ) = 4.110 Q(PSF) = 43.320 PO/PSF = 2129.2 RUN NO = 177.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |         |        |        |        |
|------|---------|--------|--------|--------|
| .050 | -.8374  | -.7555 | -.7777 | -.9125 |
| .230 | -1.0302 | -.3698 | -.3477 | -.4893 |
| .410 | -.5439  | -.1002 | -.1036 | -.26'5 |
| .590 | -.4466  | -.1668 | -.1446 | -.15'1 |
| .770 | -.4876  | -.2436 | -.2146 | -.23'2 |
| .878 | -.5354  | -.3135 | -.2589 | -.2794 |

BETA ( 6 ) = 5.030 ALPHA ( 4 ) = 5.190 Q(PSF) = 43.320 PO/PSF = 2129.2 RUN NO = 177.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |         |        |        |        |
|------|---------|--------|--------|--------|
| .050 | -.6720  | -.6463 | -.7934 | -.9115 |
| .230 | -1.1527 | -.3649 | -.3725 | -.4718 |
| .410 | -.6052  | -.0765 | -.0834 | -.2425 |
| .590 | -.4632  | -.1467 | -.1193 | -.1279 |
| .770 | -.4855  | -.2340 | -.1963 | -.2100 |
| .878 | -.5265  | -.3109 | -.2408 | -.2494 |

BETA ( 6 ) = 5.030 ALPHA ( 5 ) = 6.230 Q(PSF) = 43.320 PO/PSF = 2129.2 RUN NO = 177.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |         |        |        |        |
|------|---------|--------|--------|--------|
| .050 | -.5792  | -.6184 | -.7906 | -.9083 |
| .230 | -1.0395 | -.5093 | -.4104 | -.4599 |
| .410 | -.6440  | -.0843 | -.0695 | -.2399 |
| .590 | -.4803  | -.1308 | -.0984 | -.1053 |
| .770 | -.4718  | -.2314 | -.1735 | -.1803 |
| .878 | -.5127  | -.3098 | -.2178 | -.2178 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM28)

BETA ( 6 ) = 5.030 ALPHA ( 6 ) = 8.330 Q(PSF) = 43.320 PO/PSF = 2129.2 RUN NO = 177.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5364 | -.6050 | -.7045 | -.7234 |
| .230 | -.8057 | -.5570 | -.5090 | -.5656 |
| .410 | -.6582 | -.1762 | -.1608 | -.2568 |
| .590 | -.5176 | -.1453 | -.0630 | -.0699 |
| .770 | -.4850 | -.2654 | -.1093 | -.1076 |
| .878 | -.4884 | -.3563 | -.1539 | -.1505 |

BETA ( 6 ) = 5.030 ALPHA ( 7 ) = 10.380 Q(PSF) = 43.320 PO/PSF = 2129.2 RUN NO = 177.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5151 | -.5254 | -.5169 | -.5151 |
| .230 | -.8063 | -.5614 | -.5614 | -.5871 |
| .410 | -.7430 | -.2993 | -.3404 | -.4107 |
| .590 | -.6094 | -.2188 | -.0732 | -.0886 |
| .770 | -.5271 | -.3473 | -.0372 | -.0150 |
| .878 | -.4946 | -.4364 | -.0869 | -.0475 |

BETA ( 6 ) = 5.030 ALPHA ( 8 ) = 15.630 Q(PSF) = 43.320 PO/PSF = 2129.2 RUN NO = 177.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4640 | -.4810 | -.4725 | -.4623 |
| .230 | -.5678 | -.5355 | -.5253 | -.5474 |
| .410 | -.5525 | -.5423 | -.3789 | -.4453 |
| .590 | -.4997 | -.6784 | -.1237 | -.1799 |
| .770 | -.3950 | -.6086 | .0172  | .0792  |
| .878 | -.3109 | -.5559 | .0020  | .0409  |



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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM28)

BETA ( 6 ) = 5.030 ALPHA ( 9 ) = 20.910 Q(PSF) = 43.320 PO/PSF = 2129.2 RUN NO = 177.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4782 | -.5225 | -.5787 | -.6008 |
| .230 | -.4697 | -.5230 | -.6025 | -.6962 |
| .410 | -.4867 | -.7575 | -.5867 | -.7575 |
| .590 | -.3641 | -.7609 | -.3487 | -.1154 |
| .770 | -.1852 | -.6400 | -.2823 | .0647  |
| .878 | -.1188 | -.5497 | -.2295 | .0155  |

BETA ( 7 ) = 10.080 ALPHA ( 1 ) = -.010 Q(PSF) = 43.330 PO/PSF = 2129.3 RUN NO = 178.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |         |        |        |        |
|------|---------|--------|--------|--------|
| .050 | -1.0383 | -.8909 | -.9509 | -.8995 |
| .230 | -1.1154 | -.3921 | -.3509 | -.5309 |
| .410 | -.6149  | -.1950 | -.2155 | -.3509 |
| .590 | -.5241  | -.2755 | -.2584 | -.2670 |
| .770 | -.5875  | -.3647 | -.3235 | -.3544 |
| .878 | -.6492  | -.4298 | -.3595 | -.3835 |

BETA ( 7 ) = 10.080 ALPHA ( 2 ) = 2.060 Q(PSF) = 43.330 PO/PSF = 2129.3 RUN NO = 178.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |         |        |        |         |
|------|---------|--------|--------|---------|
| .050 | -.8694  | -.8677 | -.9837 | -1.0229 |
| .230 | -1.2208 | -.4464 | -.3782 | -.5744  |
| .410 | -.6989  | -.1650 | -.1872 | -.3373  |
| .590 | -.5420  | -.2827 | -.2264 | -.2349  |
| .770 | -.5641  | -.3919 | -.2997 | -.3202  |
| .878 | -.6034  | -.4601 | -.3287 | -.3339  |

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OA163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM28)

BETA ( 7 ) = 10.080 ALPHA ( 3 ) = 4.150 Q(PSF) = 43.330 PO/PSF = 2129.3 RUN NO = 178.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |         |         |
|------|--------|--------|---------|---------|
| .050 | -.7847 | -.8581 | -1.0562 | -1.1534 |
| .230 | -.8650 | -.6431 | -.4365  | -.5970  |
| .410 | -.6.89 | -.2334 | -.2232  | -.3512  |
| .590 | -.5458 | -.3341 | -.2180  | -.2300  |
| .770 | -.5407 | -.4434 | -.2710  | -.2846  |
| .878 | -.5509 | -.5048 | -.2931  | -.2761  |

BETA ( 7 ) = 10.080 ALPHA ( 4 ) = 5.190 Q(PSF) = 43.330 PO/PSF = 2129.3 RUN NO = 178.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |         |         |
|------|--------|--------|---------|---------|
| .050 | -.7641 | -.8802 | -1.0372 | -1.0799 |
| .230 | -.7846 | -.8017 | -.5713  | -.6703  |
| .410 | -.7385 | -.2982 | -.2197  | -.3494  |
| .590 | -.5883 | -.3136 | -.1941  | -.1941  |
| .770 | -.5440 | -.4365 | -.2402  | -.2402  |
| .878 | -.5252 | -.5081 | -.2658  | -.2436  |

BETA ( 7 ) = 10.080 ALPHA ( 5 ) = 6.230 Q(PSF) = 43.330 PO/PSF = 2129.3 RUN NO = 178.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7755 | -.8319 | -.8968 | -.9139 |
| .230 | -.8199 | -.8250 | -.6900 | -.7806 |
| .410 | -.8353 | -.4593 | -.2867 | -.3995 |
| .590 | -.6781 | -.4183 | -.1585 | -.1773 |
| .770 | -.5806 | -.4849 | -.1876 | -.1773 |
| .878 | -.5260 | -.5448 | -.2252 | -.2012 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM2B)

BETA ( 7 ) = 10.080 ALPHA ( 6 ) = 8.330 Q(PSF) = 43.330 PO/PSF = 2129.3 RUN NO = 178.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7375 | -.7614 | -.7427 | -.7444 |
| .230 | -.9369 | -.7972 | -.8228 | -.8364 |
| .410 | -.8926 | -.6148 | -.5160 | -.6353 |
| .590 | -.7955 | -.6506 | -.1734 | -.2058 |
| .770 | -.6165 | -.6438 | -.0848 | -.0541 |
| .878 | -.5040 | -.6540 | -.1376 | -.0831 |

BETA ( 7 ) = 10.080 ALPHA ( 7 ) = 10.440 Q(PSF) = 43.330 PO/PSF = 2129.3 RUN NO = 178.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7260 | -.7431 | -.7295 | -.7209 |
| .230 | -.8679 | -.7876 | -.8030 | -.8149 |
| .410 | -.8474 | -.7466 | -.6064 | -.7090 |
| .590 | -.7756 | -.8491 | -.2064 | -.2577 |
| .770 | -.5978 | -.7602 | -.0645 | .0054  |
| .878 | -.4953 | -.7312 | -.1312 | -.0235 |

BETA ( 7 ) = 10.080 ALPHA ( 8 ) = 15.670 Q(PSF) = 43.330 PO/PSF = 2129.3 RUN NO = 178.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6966 | -.7239 | -.7341 | -.7120 |
| .230 | -.7409 | -.8347 | -.7478 | -.7938 |
| .410 | -.7290 | -.8398 | -.5569 | -.6438 |
| .590 | -.5978 | -.8381 | -.3558 | -.4785 |
| .770 | -.4563 | -.7358 | -.3489 | -.2722 |
| .878 | -.3609 | -.6711 | -.3149 | -.2859 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM26)

BETA ( 7 ) = 10.080 ALPHA ( 9 ) = 20.930 Q(PSF) = 43.330 PO/PSF = 2129.3 RUN NO = 178.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |         |
|------|--------|--------|--------|---------|
| .050 | -.6346 | -.6721 | -.7946 | -.7980  |
| .230 | -.6159 | -.7010 | -.8134 | -1.0058 |
| .410 | -.5427 | -.8083 | -.7912 | -.9989  |
| .590 | -.4320 | -.8014 | -.6414 | -.6125  |
| .770 | -.2720 | -.6823 | -.4882 | -.3622  |
| .878 | -.2090 | -.5784 | -.4014 | -.3554  |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+OP

MAIN GEAR DOOR OUTER SURFACE

(RFFH29) ( 03 FEB 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0405

## PARAMETRIC DATA

MACH = .170 ELEVON = 10.000  
 BDFLAP = -11.700 SPDBRK = .000  
 PHI-N = 66.000 THETAN = 108.000  
 PHI-M = 88.000 THETAM = 98.000

BETA ( 1 ) = -10.080 ALPHA ( 1 ) = .120 Q(PSF) = 43.177 PO/PSF = 2127.0 RUN NO = 179.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.0631 .0635 .1387 .0857  
 .230 -.1163 -.0356 -.0459 -.1232  
 .410 -.1129 -.0614 -.0717 -.1008  
 .590 -.0802 -.0923 -.1026 -.1146  
 .770 -.1335 -.1438 -.1558 -.1764  
 .878 -.2159 -.2107 -.1953 -.2227

BETA ( 1 ) = -10.090 ALPHA ( 2 ) = 2.210 Q(PSF) = 43.177 PO/PSF = 2127.0 RUN NO = 179.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.0717 -.1044 -.0926 .1166  
 .230 -.0374 .0157 .0122 -.0597  
 .410 -.0425 -.0048 -.0167 -.0442  
 .590 -.0167 -.0408 -.0477 -.0580  
 .770 -.0769 -.0907 -.1044 -.1199  
 .878 -.1577 -.1611 -.1474 -.1732

BETA ( 1 ) = -10.090 ALPHA ( 3 ) = 4.260 Q(PSF) = 43.177 PO/PSF = 2127.0 RUN NO = 179.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.0885 -.2646 -.1757 .1568  
 .230 .0326 .0751 .0666 -.0013  
 .410 .0292 .0479 .0360 .0105  
 .590 .0343 .0105 .0054 -.0013  
 .770 -.0235 -.0440 -.0560 -.0628  
 .878 -.1090 -.1175 -.1004 -.1244

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP MAIN GEAR DOOR OUTER SURFACE

(RFFM29)

BETA ( 1 ) = -10.090 ALPHA ( 4 ) = 5.330 Q(PSF) = 43.177 PO/PSF = 2127.0 RUN NO = 179.00

SECTION ( 1 ) MAIN LND GR DR-0 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0817 | -.2819 | -.2597 | .1706  |
| .230 | .0667  | .1007  | .1007  | .0190  |
| .410 | .0599  | .0752  | .0650  | .0377  |
| .590 | .0616  | .0360  | .0360  | .0258  |
| .770 | -.0013 | -.0201 | -.0286 | -.0338 |
| .878 | -.0851 | -.0920 | -.0783 | -.0988 |

BETA ( 1 ) = -10.090 ALPHA ( 5 ) = 6.380 Q(PSF) = 43.177 PO/PSF = 2127.0 RUN NO = 179.00

SECTION ( 1 ) MAIN LND GR DR-0 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0647 | -.2652 | -.2704 | .1691  |
| .230 | .1009  | .1333  | .1350  | .0531  |
| .410 | .0941  | .1009  | .0958  | .0668  |
| .590 | .0907  | .0634  | .0617  | .0549  |
| .770 | .0259  | .0037  | -.0030 | -.0013 |
| .878 | -.0595 | -.0647 | -.0527 | -.0715 |

BETA ( 1 ) = -10.090 ALPHA ( 6 ) = 8.470 Q(PSF) = 43.177 PO/PSF = 2127.0 RUN NO = 179.00

SECTION ( 1 ) MAIN LND GR DR-0 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0304 | -.2050 | -.1965 | -.0201 |
| .230 | .1502  | .1894  | .1996  | .0804  |
| .410 | .1519  | .1604  | .1604  | .1230  |
| .590 | .1434  | .1212  | .1195  | .1212  |
| .770 | .0718  | .0565  | .0514  | .0650  |
| .878 | -.0133 | -.0184 | -.0013 | -.0167 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+CP

MAIN GEAR DOOR OUTER SURFACE

(RFFM29)

BETA ( 1 ) = -10.090    ALPHA ( 7 ) = 10.590    Q(PSF) = 43.177    PO/PSF = 2127.0    RUN NO = 179.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML      .0760    .3100    .5820    .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0082 | -.1658 | -.1333 | -.2515 |
| .230 | .1828  | .2271  | .1930  | .1231  |
| .410 | .1964  | .2118  | .2220  | .1794  |
| .590 | .1794  | .1708  | .1794  | .1879  |
| .770 | .1026  | .1026  | .1094  | .1282  |
| .878 | .0224  | .0276  | .0497  | .0310  |

BETA ( 1 ) = -10.090    ALPHA ( 8 ) = 15.840    Q(PSF) = 43.177    PO/PSF = 2127.0    RUN NO = 179.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML      .0760    .3100    .5820    .8530

X/CML

|      |        |       |        |        |
|------|--------|-------|--------|--------|
| .050 | -.0064 | .0105 | -.0099 | -.0629 |
| .230 | .1059  | .1161 | .1297  | .1059  |
| .410 | .1144  | .3001 | .3103  | .2678  |
| .590 | .1400  | .2831 | .3172  | .3461  |
| .770 | .0786  | .2218 | .2490  | .2814  |
| .878 | .0395  | .1502 | .1809  | .1655  |

BETA ( 1 ) = -10.090    ALPHA ( 9 ) = 21.050    Q(PSF) = 43.177    PO/PSF = 2127.0    RUN NO = 179.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML      .0760    .3100    .5820    .8530

X/CML

|      |        |       |       |       |
|------|--------|-------|-------|-------|
| .050 | -.1787 | .1787 | .1906 | .1855 |
| .230 | -.0115 | .1464 | .1515 | .1090 |
| .410 | .0054  | .2127 | .2093 | .2025 |
| .590 | .0665  | .3232 | .3538 | .3385 |
| .770 | .0954  | .3096 | .3623 | .3419 |
| .878 | .0988  | .2450 | .3079 | .2705 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM29)

BETA ( 2 ) = -5.050 ALPHA ( 1 ) = .130 Q(PSF) = 43.168 PO/PSF = 2126.9 RUN NO = 180.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5487 | -.5316 | -.6069 | -.0218 |
| .230 | -.0475 | -.0389 | -.0714 | -.1279 |
| .410 | -.0611 | -.0800 | -.1073 | -.1621 |
| .590 | -.0611 | -.1176 | -.1535 | -.2220 |
| .770 | -.1330 | -.1672 | -.1980 | -.2031 |
| .878 | -.2168 | -.2305 | -.2220 | -.2322 |

BETA ( 2 ) = -5.050 ALPHA ( 2 ) = 2.200 Q(PSF) = 43.168 PO/PSF = 2126.9 RUN NO = 180.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4913 | -.4536 | -.5256 | -.0287 |
| .230 | .0003  | .0037  | .0122  | -.0955 |
| .410 | -.0065 | -.0235 | -.0424 | -.1109 |
| .590 | -.0184 | -.0647 | -.0869 | -.1212 |
| .770 | -.1024 | -.1264 | -.1521 | -.1778 |
| .878 | -.1949 | -.1915 | -.1898 | -.2240 |

BETA ( 2 ) = -5.060 ALPHA ( 3 ) = 4.270 Q(PSF) = 43.168 PO/PSF = 2126.9 RUN NO = 180.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4461 | -.4033 | -.4256 | -.2767 |
| .230 | .0394  | .0190  | .0462  | -.0526 |
| .410 | .0411  | .0343  | .0241  | -.0509 |
| .590 | .0173  | -.0116 | -.0252 | -.0509 |
| .770 | -.0851 | -.0800 | -.0988 | -.1262 |
| .878 | -.1997 | -.1518 | -.1450 | -.1843 |



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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM29)

BETA ( 2 ) = -5.060 ALPHA ( 4 ) = 5.350 Q(PSF) = 43.168 PO/PSF = 2126.9 RUN NO = 180.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4496 | -.3863 | -.3948 | -.4017 |
| .230 | .0479  | .0173  | .0326  | -.0389 |
| .410 | .0479  | .0616  | .0548  | -.0338 |
| .590 | .0173  | .0088  | .0020  | -.0235 |
| .770 | -.1296 | -.0577 | -.0697 | -.0885 |
| .878 | -.2357 | -.1296 | -.1159 | -.1570 |

BETA ( 2 ) = -5.050 ALPHA ( 5 ) = 6.380 Q(PSF) = 43.168 PO/PSF = 2126.9 RUN NO = 180.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4430 | -.3643 | -.3660 | -.4704 |
| .230 | .0582  | .0122  | .0122  | -.0441 |
| .410 | .0275  | .0889  | .0821  | -.0116 |
| .590 | -.0047 | .0343  | .0326  | .0122  |
| .770 | -.1365 | -.0355 | -.0406 | -.0578 |
| .878 | -.2256 | -.1091 | -.0903 | -.1382 |

BETA ( 2 ) = -5.050 ALPHA ( 6 ) = 8.460 Q(PSF) = 43.168 PO/PSF = 2126.9 RUN NO = 180.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4376 | -.3397 | -.3259 | -.4668 |
| .230 | .0310  | .0139  | -.0133 | -.0908 |
| .410 | -.0116 | .1302  | .1387  | .0396  |
| .590 | -.0288 | .0772  | .0943  | .0806  |
| .770 | -.1215 | .0054  | .0139  | -.0031 |
| .878 | -.1885 | -.0665 | -.0425 | -.1078 |

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## TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM29)

BETA ( 2 ) = -5.060 ALPHA ( 7 ) = 10.550 Q(PSF) = 43.168 PO/PSF = 2126.9 RUN NO = 180.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3707 | -.2814 | -.2934 | -.3896 |
| .230 | -.1284 | -.0219 | -.0322 | -.0648 |
| .410 | -.0648 | .1576  | .1764  | .0721  |
| .590 | -.0442 | .1183  | .1490  | .1456  |
| .770 | -.1112 | .0464  | .0721  | .0755  |
| .878 | -.1594 | -.0219 | .0054  | -.0408 |

BETA ( 2 ) = -5.050 ALPHA ( 8 ) = 15.850 Q(PSF) = 43.168 PO/PSF = 2126.9 RUN NO = 180.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0510 | -.0527 | -.0339 | -.0459 |
| .230 | -.3049 | -.0785 | -.0750 | -.1145 |
| .410 | -.2757 | .0310  | .0122  | -.0133 |
| .590 | -.1797 | .1641  | .1932  | .1744  |
| .770 | -.1299 | .1385  | .2102  | .2051  |
| .878 | -.1196 | .0668  | .1556  | .1488  |

BETA ( 2 ) = -5.050 ALPHA ( 9 ) = 21.070 Q(PSF) = 43.168 PO/PSF = 2126.9 RUN NO = 180.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0047 | -.0115 | -.0167 | -.0081 |
| .230 | -.0868 | -.0372 | -.0406 | -.0526 |
| .410 | -.0611 | -.0338 | .0394  | .0122  |
| .590 | -.0320 | -.1261 | .1943  | .0933  |
| .770 | .0054  | -.1877 | .2521  | .2334  |
| .878 | .0292  | -.1911 | .2538  | .2232  |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM29)

BETA ( 3 ) = -2.000 ALPHA ( 1 ) = .130 Q(PSF) = 43.171 PO/PSF = 2126.9 RUN NO = 181.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6887 | -.5547 | -.6354 | -.1680 |
| .230 | -.0408 | -.0803 | -.0545 | -.1645 |
| .410 | -.0494 | -.0803 | -.1113 | -.2230 |
| .590 | -.0803 | -.1284 | -.1663 | -.2402 |
| .770 | -.2075 | -.1955 | -.2367 | -.2883 |
| .878 | -.3244 | -.2573 | -.2677 | -.3020 |

BETA ( 3 ) = -2.010 ALPHA ( 2 ) = 2.220 Q(PSF) = 43.171 PO/PSF = 2126.9 RUN NO = 181.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.8542 | -.5106 | -.5499 | -.4559 |
| .230 | -.0201 | -.1038 | -.0542 | -.1500 |
| .410 | -.0354 | -.0252 | -.0491 | -.1670 |
| .590 | -.0884 | -.0833 | -.1072 | -.1653 |
| .770 | -.2457 | -.1551 | -.1773 | -.2183 |
| .878 | -.3431 | -.2217 | -.2200 | -.2508 |

BETA ( 3 ) = -2.000 ALPHA ( 3 ) = 4.290 Q(PSF) = 43.171 PO/PSF = 2126.9 RUN NO = 181.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6211 | -.4909 | -.4909 | -.6330 |
| .230 | -.0287 | -.1057 | -.1057 | -.2033 |
| .410 | -.0989 | .0190  | .0088  | -.1194 |
| .590 | -.1297 | -.0372 | -.0424 | -.0817 |
| .770 | -.2478 | -.1143 | -.1211 | -.1588 |
| .878 | -.3231 | -.1862 | -.1708 | -.2187 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB\*GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM29)

BETA ( 3 ) = -2.000 ALPHA ( 4 ) = 5.330 Q(PSF) = 43.171 PO/PSF = 2126.9 RUN NO = 181.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6044 | -.4896 | -.4673 | -.6301 |
| .230 | -.0595 | -.1109 | -.1298 | -.2309 |
| .410 | -.1332 | .0378  | .0378  | -.0887 |
| .590 | -.1401 | -.0167 | -.0133 | -.0441 |
| .770 | -.2463 | -.0955 | -.0921 | -.1229 |
| .878 | -.3148 | -.1658 | -.1469 | -.2052 |

BETA ( 3 ) = -2.000 ALPHA ( 5 ) = 6.360 Q(PSF) = 43.171 PO/PSF = 2126.9 RUN NO = 181.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5993 | -.4776 | -.4588 | -.5924 |
| .230 | -.1109 | -.1178 | -.1349 | -.2411 |
| .410 | -.1555 | .0531  | .0616  | -.0664 |
| .590 | -.1520 | .0003  | .0122  | -.0133 |
| .770 | -.2394 | -.0749 | -.0664 | -.0921 |
| .878 | -.3011 | -.1469 | -.1246 | -.1812 |

BETA ( 3 ) = -2.000 ALPHA ( 6 ) = 8.470 Q(PSF) = 43.171 PO/PSF = 2126.9 RUN NO = 181.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4782 | -.4113 | -.4336 | -.5177 |
| .230 | -.3684 | -.1625 | -.1505 | -.2174 |
| .410 | -.2226 | .0771  | .0890  | -.0407 |
| .590 | -.1831 | .0378  | .0634  | .0600  |
| .770 | -.2346 | -.0321 | .0116  | -.0116 |
| .878 | -.2775 | -.1008 | -.0699 | -.1093 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM29)

BETA ( 3 ) = -2.010 ALPHA ( 7 ) = 10.550 Q(P5F) = 43.171 PO/P5F = 2126.9 RUN NO = 181.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2369 | -.2610 | -.3281 | -.3505 |
| .230 | -.4967 | -.2473 | -.2249 | -.2903 |
| .410 | -.3556 | .0174  | .0396  | -.0649 |
| .590 | -.2455 | .0790  | .1081  | .0996  |
| .770 | -.2404 | .0140  | .0550  | .0619  |
| .878 | -.2645 | -.0598 | -.0631 | -.0288 |

BETA ( 3 ) = -2.010 ALPHA ( 8 ) = 15.850 Q(P5F) = 43.171 PO/P5F = 2126.9 RUN NO = 181.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1590 | -.1607 | -.1504 | -.1435 |
| .230 | -.3509 | -.1898 | -.1984 | -.2052 |
| .410 | -.3441 | -.0973 | -.1041 | -.1418 |
| .590 | -.2755 | .0054  | .0992  | .0856  |
| .770 | -.2224 | -.0955 | .1623  | .1828  |
| .878 | -.2035 | -.1881 | .1367  | .1606  |

BETA ( 3 ) = -2.010 ALPHA ( 9 ) = 21.080 Q(P5F) = 43.171 PO/P5F = 2126.9 RUN NO = 181.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1290 | -.1443 | -.1681 | -.1903 |
| .230 | -.1715 | -.2107 | -.1901 | -.2090 |
| .410 | -.1528 | -.2686 | -.0983 | -.1988 |
| .590 | -.0881 | -.3299 | .0443  | .0240  |
| .770 | -.0183 | -.3010 | .1019  | .2629  |
| .878 | .0172  | -.2550 | .1070  | .2545  |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM29)

BETA ( 4 ) = .020 ALPHA ( 1 ) = .100 Q(PSF) = 43.177 PO/PSF = 2128.9 RUN NO = 182.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7620 | -.5911 | -.6475 | -.4594 |
| .230 | -.0560 | -.1603 | -.1038 | -.2184 |
| .410 | -.0850 | -.0833 | -.1158 | -.2560 |
| .590 | -.1432 | -.1397 | -.1791 | -.2457 |
| .770 | -.3056 | -.2115 | -.2440 | -.2885 |
| .878 | -.3996 | -.2731 | -.2799 | -.3021 |

BETA ( 4 ) = .010 ALPHA ( 2 ) = 2.200 Q(PSF) = 43.177 PO/PSF = 2126.9 RUN NO = 182.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7079 | -.5779 | -.5847 | -.6857 |
| .230 | -.0765 | -.1775 | -.1689 | -.2699 |
| .410 | -.1518 | -.0355 | -.0577 | -.2015 |
| .590 | -.1843 | -.0988 | -.1125 | -.1638 |
| .770 | -.3161 | -.1741 | -.1878 | -.2305 |
| .878 | -.3931 | -.2425 | -.2323 | -.2682 |

BETA ( 4 ) = .020 ALPHA ( 3 ) = 4.260 Q(PSF) = 43.177 PO/PSF = 2126.9 RUN NO = 182.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6944 | -.5798 | -.5421 | -.6927 |
| .230 | -.1810 | -.1827 | -.2015 | -.3402 |
| .410 | -.2186 | -.0047 | -.0116 | -.1536 |
| .590 | -.2221 | -.0629 | -.0543 | -.0920 |
| .770 | -.3128 | -.1399 | -.1348 | -.1673 |
| .878 | -.3795 | -.2067 | -.1878 | -.2409 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM29)

BETA ( 4 ) = .020 ALPHA ( 4 ) = 5.350 Q(PSF) = 43.177 PO/PSF = 2126.9 RUN NO = 182.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6815 | -.5753 | -.5376 | -.6609 |
| .230 | -.2994 | -.1915 | -.2086 | -.3234 |
| .410 | -.2566 | .0105  | .0122  | -.1349 |
| .590 | -.2377 | -.0492 | -.0321 | -.0561 |
| .770 | -.3131 | -.1246 | -.1109 | -.1349 |
| .878 | -.3714 | -.1897 | -.1658 | -.2137 |

BETA ( 4 ) = .030 ALPHA ( 5 ) = 6.360 Q(PSF) = 43.177 PO/PSF = 2126.9 RUN NO = 182.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6404 | -.5376 | -.5376 | -.6370 |
| .230 | -.4536 | -.2069 | -.2137 | -.3063 |
| .410 | -.2943 | .0173  | .0275  | -.1195 |
| .590 | -.2531 | -.0321 | -.0082 | -.0184 |
| .770 | -.3114 | -.1041 | -.0852 | -.0887 |
| .878 | -.3611 | -.1709 | -.1401 | -.1795 |

BETA ( 4 ) = .030 ALPHA ( 6 ) = 8.460 Q(PSF) = 43.177 PO/PSF = 2126.9 RUN NO = 182.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3432 | -.3673 | -.4515 | -.4756 |
| .230 | -.8904 | -.3467 | -.3175 | -.3759 |
| .410 | -.4463 | -.0048 | .0122  | -.1164 |
| .590 | -.3209 | .0208  | .0430  | .0379  |
| .770 | -.3175 | -.0545 | -.0167 | -.0082 |
| .878 | -.3467 | -.1250 | -.0734 | -.0958 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFME9)

BETA ( 4 ) = .030 ALPHA ( 7 ) = 10.560 Q(PSF) = 43.177 PO/PSF = 2126.9 RUN NO = 182.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2984 | -.3052 | -.3259 | -.3379 |
| .230 | -.6212 | -.3241 | -.3001 | -.3688 |
| .410 | -.5148 | -.0992 | -.1146 | -.1816 |
| .590 | -.3842 | .0327  | .0550  | .0259  |
| .770 | -.3327 | -.0322 | .0447  | .0413  |
| .878 | -.3327 | -.1129 | -.0116 | -.0150 |

BETA ( 4 ) = .030 ALPHA ( 8 ) = 15.780 Q(PSF) = 43.177 PO/PSF = 2126.9 RUN NO = 182.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2311 | -.2413 | -.2345 | -.2396 |
| .230 | -.3648 | -.2808 | -.2825 | -.3065 |
| .410 | -.3631 | -.2156 | -.1848 | -.2242 |
| .590 | -.3219 | -.2499 | .0395  | .0259  |
| .770 | -.2636 | -.3494 | .1607  | .1607  |
| .878 | -.2173 | -.3545 | .1504  | .1521  |

BETA ( 4 ) = .030 ALPHA ( 9 ) = 21.060 Q(PSF) = 43.177 PO/PSF = 2126.9 RUN NO = 182.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1994 | -.2267 | -.2574 | -.2830 |
| .230 | -.2250 | -.3104 | -.2660 | -.2967 |
| .410 | -.2113 | -.3923 | -.1789 | -.3394 |
| .590 | -.1379 | -.4214 | -.0457 | .0309  |
| .770 | -.0354 | -.3650 | .0088  | .2552  |
| .878 | .0037  | -.3087 | .0411  | .2314  |



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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM29)

BETA ( 5 ) = 2.040 ALPHA ( 1 ) = .080 Q(PSF) = 43.213 PO/PSF = 2126.9 RUN NO = 183.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7908 | -.6555 | -.6709 | -.7257 |
| .230 | -.1194 | -.2513 | -.2153 | -.3387 |
| .410 | -.2016 | -.0937 | -.1280 | -.2890 |
| .590 | -.2427 | -.1554 | -.1794 | -.2410 |
| .770 | -.3815 | -.2308 | -.2530 | -.2976 |
| .878 | -.4620 | -.2958 | -.2924 | -.3181 |

BETA ( 5 ) = 2.040 ALPHA ( 2 ) = 2.170 Q(PSF) = 43.213 PO/PSF = 2126.9 RUN NO = 183.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7826 | -.6681 | -.6288 | -.7826 |
| .230 | -.2270 | -.2612 | -.2748 | -.3911 |
| .410 | -.2748 | -.0577 | -.0748 | -.2321 |
| .590 | -.2868 | -.1175 | -.1209 | -.1671 |
| .770 | -.3774 | -.1945 | -.1979 | -.2338 |
| .878 | -.4475 | -.2629 | -.2492 | -.2902 |

BETA ( 5 ) = 2.040 ALPHA ( 3 ) = 4.210 Q(PSF) = 43.213 PO/PSF = 2126.9 RUN NO = 183.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7662 | -.6510 | -.6201 | -.7301 |
| .230 | -.5204 | -.2711 | -.2763 | -.4018 |
| .410 | -.3519 | -.0339 | -.0339 | -.1972 |
| .590 | -.3158 | -.0906 | -.0769 | -.0992 |
| .770 | -.3794 | -.1663 | -.1525 | -.1846 |
| .878 | -.4379 | -.2316 | -.2041 | -.2436 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM29)

BETA ( 5 ) = 2.040 ALPHA ( 4 ) = 5.290 Q(PSF) = 43.213 PO/PSF = 2126.9 RUN NO = 183.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6940 | -.6102 | -.6222 | -.7111 |
| .230 | -.7214 | -.2903 | -.2852 | -.3912 |
| .410 | -.3991 | -.0252 | -.0201 | -.1860 |
| .590 | -.3314 | -.0697 | -.0543 | -.0577 |
| .770 | -.3758 | -.1467 | -.1227 | -.1227 |
| .878 | -.4220 | -.2099 | -.1740 | -.2048 |

BETA ( 5 ) = 2.040 ALPHA ( 5 ) = 6.350 Q(PSF) = 43.213 PO/PSF = 2126.9 RUN NO = 183.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5251 | -.4978 | -.5917 | -.6446 |
| .230 | -.9159 | -.3681 | -.3323 | -.4125 |
| .410 | -.4893 | -.0149 | -.0098 | -.1838 |
| .590 | -.3596 | -.0439 | -.0234 | -.0183 |
| .770 | -.3732 | -.1224 | -.0900 | -.0866 |
| .878 | -.4074 | -.1890 | -.1395 | -.1685 |

BETA ( 5 ) = 2.040 ALPHA ( 6 ) = 8.420 Q(PSF) = 43.213 PO/PSF = 2126.9 RUN NO = 183.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3931 | -.4224 | -.4875 | -.5166 |
| .230 | -.6946 | -.4190 | -.3813 | -.4550 |
| .410 | -.5560 | -.1057 | -.1040 | -.2101 |
| .590 | -.4139 | -.0116 | .0173  | -.0047 |
| .770 | -.3779 | -.0937 | -.0184 | -.0184 |
| .878 | -.3848 | -.1725 | -.0697 | -.0749 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM29)

BETA ( 5 ) = 2.040 ALPHA ( 7 ) = 10.520 Q(PSF) = 43.213 PO/PSF = 2126.9 RUN NO = 183.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3640 | -.3657 | -.3674 | -.3760 |
| .230 | -.6287 | -.3949 | -.3949 | -.4259 |
| .410 | -.5806 | -.1646 | -.2093 | -.2660 |
| .590 | -.4448 | -.0374 | .0088  | -.0099 |
| .770 | -.3743 | -.1216 | .0276  | .0328  |
| .878 | -.3623 | -.2110 | -.0133 | .0003  |

BETA ( 5 ) = 2.040 ALPHA ( 8 ) = 15.770 Q(PSF) = 43.213 PO/PSF = 2126.9 RUN NO = 183.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3093 | -.3247 | -.3212 | -.3161 |
| .230 | -.4273 | -.3640 | -.3691 | -.3760 |
| .410 | -.4034 | -.3503 | -.2391 | -.3041 |
| .590 | -.3708 | -.4786 | -.0133 | -.0304 |
| .770 | -.2819 | -.4547 | .1297  | .1535  |
| .878 | -.2169 | -.4170 | .1212  | .1467  |

BETA ( 5 ) = 2.030 ALPHA ( 9 ) = 21.050 Q(PSF) = 43.213 PO/PSF = 2126.9 RUN NO = 183.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2894 | -.3235 | -.3712 | -.3934 |
| .230 | -.3047 | -.4104 | -.3848 | -.4564 |
| .410 | -.2808 | -.4854 | -.3405 | -.5178 |
| .590 | -.1939 | -.5008 | -.1803 | -.0081 |
| .770 | -.0660 | -.4377 | -.1172 | .1767  |
| .878 | -.0183 | -.3610 | -.0831 | .1479  |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM29)

BETA ( 6 ) = 5.070 ALPHA ( 1 ) = .090 Q(P5F) = 43.219 PO/PSF = 2127.0 RUN NO = 184.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.9241 | -.7835 | -.7337 | -.8778 |
| .230 | -.4335 | -.3581 | -.3701 | -.5073 |
| .410 | -.4027 | -.1248 | -.1505 | -.3323 |
| .590 | -.3821 | -.1831 | -.1900 | -.2363 |
| .770 | -.4593 | -.2569 | -.2603 | -.2894 |
| .878 | -.5279 | -.3186 | -.3015 | -.3340 |

BETA ( 6 ) = 5.060 ALPHA ( 2 ) = 2.190 Q(P5F) = 43.219 PO/PSF = 2127.0 RUN NO = 184.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.8824 | -.7783 | -.7339 | -.8500 |
| .230 | -.8107 | -.3530 | -.3548 | -.4982 |
| .410 | -.4572 | -.0969 | -.1003 | -.2830 |
| .590 | -.3974 | -.1532 | -.1396 | -.1618 |
| .770 | -.4470 | -.2233 | -.2079 | -.2147 |
| .878 | -.4999 | -.2830 | -.2472 | -.2745 |

BETA ( 6 ) = 5.060 ALPHA ( 3 ) = 4.260 Q(P5F) = 43.219 PO/PSF = 2127.0 RUN NO = 184.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |         |        |        |        |
|------|---------|--------|--------|--------|
| .050 | -.6737  | -.6497 | -.7678 | -.8876 |
| .230 | -1.1186 | -.3965 | -.3366 | -.4478 |
| .410 | -.5676  | -.0594 | -.0680 | -.2340 |
| .590 | -.4273  | -.1176 | -.1022 | -.1056 |
| .770 | -.4410  | -.2015 | -.1621 | -.1707 |
| .878 | -.4803  | -.2665 | -.2015 | -.2117 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM29)

BETA ( 6 ) = 5.050 ALPHA ( 4 ) = 5.300 Q(PSF) = 43.219 PO/PSF = 2127.0 RUN NO = 184.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |         |        |        |        |
|------|---------|--------|--------|--------|
| .050 | -.5740  | -.5979 | -.7586 | -.8817 |
| .230 | -1.0407 | -.4765 | -.3859 | -.4338 |
| .410 | -.6064  | -.0440 | -.0508 | -.2132 |
| .590 | -.4457  | -.1021 | -.0799 | -.0816 |
| .770 | -.4355  | -.1961 | -.1432 | -.1466 |
| .878 | -.4663  | -.2679 | -.1808 | -.1842 |

BETA ( 6 ) = 5.050 ALPHA ( 5 ) = 6.360 Q(PSF) = 43.219 PO/PSF = 2127.0 RUN NO = 184.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5227 | -.5825 | -.7244 | -.8133 |
| .230 | -.8339 | -.5176 | -.4441 | -.4919 |
| .410 | -.6013 | -.0885 | -.0714 | -.2184 |
| .590 | -.4526 | -.0987 | -.0543 | -.0594 |
| .770 | -.4270 | -.1962 | -.1124 | -.1124 |
| .878 | -.4458 | -.2782 | -.1466 | -.1517 |

BETA ( 6 ) = 5.050 ALPHA ( 6 ) = 8.450 Q(PSF) = 43.219 PO/PSF = 2127.0 RUN NO = 184.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4977 | -.5337 | -.5919 | -.6056 |
| .230 | -.7323 | -.5371 | -.4943 | -.5611 |
| .410 | -.6261 | -.2084 | -.2050 | -.2683 |
| .590 | -.4995 | -.1571 | -.0372 | -.0389 |
| .770 | -.4481 | -.2581 | -.0406 | -.0389 |
| .878 | -.4361 | -.3402 | -.0817 | -.0697 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+OP

MAIN GEAR DOOR OUTER SURFACE

(RFFM29)

BETA ( 6 ) = 5.050 ALPHA ( 7 ) = 10.540 Q(PSF) = 43.219 PO/PSF = 2127.0 RUN NO = 184.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4766 | -.4835 | -.4732 | -.4749 |
| .230 | -.6860 | -.5281 | -.5315 | -.5504 |
| .410 | -.6888 | -.3445 | -.3548 | -.4183 |
| .590 | -.5710 | -.3033 | -.0682 | -.0888 |
| .770 | -.4749 | -.3857 | .0225  | .0430  |
| .878 | -.4114 | -.4440 | -.0116 | .0276  |

BETA ( 6 ) = 5.050 ALPHA ( 8 ) = 15.810 Q(PSF) = 43.219 PO/PSF = 2127.0 RUN NO = 184.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4338 | -.4458 | -.4406 | -.4303 |
| .230 | -.5007 | -.5058 | -.4870 | -.5007 |
| .410 | -.4870 | -.5333 | -.3428 | -.3994 |
| .590 | -.4115 | -.6037 | -.1420 | -.2707 |
| .770 | -.3171 | -.5282 | -.0528 | -.0184 |
| .878 | -.2381 | -.4698 | -.0442 | -.0236 |

BETA ( 6 ) = 5.040 ALPHA ( 9 ) = 21.080 Q(PSF) = 43.219 PO/PSF = 2127.0 RUN NO = 184.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4070 | -.4463 | -.5213 | -.5332 |
| .230 | -.3883 | -.4872 | -.5571 | -.6781 |
| .410 | -.3542 | -.5980 | -.5485 | -.6679 |
| .590 | -.2553 | -.6150 | -.3729 | -.2007 |
| .770 | -.1138 | -.4991 | -.2536 | -.0439 |
| .878 | -.0575 | -.4190 | -.2007 | -.0609 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+OP

MAIN GEAR DOOR OUTER SURFACE

(RFFM29)

BETA ( 7 ) = 10.150 ALPHA ( 1 ) = .120 Q(PSF) = 43.197 PO/PSF = 2127.1 RUN NO = 185.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0750 .3100 .5820 .8530

X/CML

|      |         |        |        |        |
|------|---------|--------|--------|--------|
| .050 | -.9468  | -.8438 | -.9159 | -.9331 |
| .230 | -1.1973 | -.3805 | -.3530 | -.5144 |
| .410 | -.6156  | -.1540 | -.1712 | -.3016 |
| .590 | -.5006  | -.2346 | -.2089 | -.2106 |
| .770 | -.5367  | -.3239 | -.2690 | -.2896 |
| .878 | -.5830  | -.3891 | -.2981 | -.3153 |

BETA ( 7 ) = 10.150 ALPHA ( 2 ) = 2.200 Q(PSF) = 43.197 PO/PSF = 2127.1 RUN NO = 185.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0750 .3100 .5820 .8530

X/CML

|      |         |        |        |         |
|------|---------|--------|--------|---------|
| .050 | -.8239  | -.8153 | -.9675 | -1.0034 |
| .230 | -1.0907 | -.4545 | -.3655 | -.5554  |
| .410 | -.6631  | -.1518 | -.1723 | -.3091  |
| .590 | -.4989  | -.2681 | -.1928 | -.1962  |
| .770 | -.4989  | -.3758 | -.2492 | -.2629  |
| .878 | -.5229  | -.4391 | -.2715 | -.2595  |

BETA ( 7 ) = 10.150 ALPHA ( 3 ) = 4.300 Q(PSF) = 43.197 PO/PSF = 2127.1 RUN NO = 185.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0750 .3100 .5820 .8530

X/CML

|      |        |        |        |         |
|------|--------|--------|--------|---------|
| .050 | -.7345 | -.8373 | -.9914 | -1.0771 |
| .230 | -.7105 | -.7396 | -.5015 | -.6265  |
| .410 | -.6711 | -.2788 | -.2000 | -.3216  |
| .590 | -.5186 | -.2856 | -.1709 | -.1777  |
| .770 | -.4724 | -.3953 | -.2068 | -.2120  |
| .878 | -.4518 | -.4381 | -.2291 | -.2085  |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+CP

MAIN GEAR DOOR OUTER SURFACE

(RFFM29)

BETA ( 7 ) = 10.150 ALPHA ( 4 ) = 5.320 Q(PSF) = 43.197 PO/PSF = 2127.1 RUN NO = 185.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7348 | -.8017 | -.8994 | -.8908 |
| .230 | -.7194 | -.8000 | -.6217 | -.7006 |
| .410 | -.7400 | -.4109 | -.2481 | -.3475 |
| .590 | -.5823 | -.3321 | -.1435 | -.1487 |
| .770 | -.4812 | -.4075 | -.1589 | -.1624 |
| .878 | -.4366 | -.4589 | -.1967 | -.1709 |

BETA ( 7 ) = 10.150 ALPHA ( 5 ) = 6.370 Q(PSF) = 43.197 PO/PSF = 2127.1 RUN NO = 185.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7190 | -.7481 | -.7652 | -.7515 |
| .230 | -.7995 | -.7704 | -.7327 | -.7978 |
| .410 | -.7995 | -.5151 | -.3558 | -.4655 |
| .590 | -.6573 | -.4963 | -.1349 | -.1503 |
| .770 | -.5186 | -.5049 | -.1109 | -.0989 |
| .878 | -.4398 | -.5271 | -.1469 | -.1109 |

BETA ( 7 ) = 10.150 ALPHA ( 6 ) = 8.460 Q(PSF) = 43.197 PO/PSF = 2127.1 RUN NO = 185.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6868 | -.7074 | -.6971 | -.6834 |
| .230 | -.8360 | -.7708 | -.7691 | -.7845 |
| .410 | -.8188 | -.6628 | -.5480 | -.6406 |
| .590 | -.7177 | -.7246 | -.1709 | -.2001 |
| .770 | -.5429 | -.6611 | -.0561 | -.0013 |
| .878 | -.4452 | -.6371 | -.1041 | -.0253 |



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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM29)

BETA ( 7 ) = 10.150 ALPHA ( 7 ) = 10.580 Q(PSF) = 43.197 PO/PSF = 2127.1 RUN NO = 185.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6747 | -.6936 | -.6695 | -.6627 |
| .230 | -.7743 | -.7520 | -.7485 | -.7743 |
| .410 | -.7468 | -.7142 | -.5613 | -.6661 |
| .590 | -.6609 | -.8052 | -.2108 | -.2521 |
| .770 | -.5355 | -.7022 | -.0975 | -.0088 |
| .878 | -.4479 | -.6472 | -.1301 | -.0219 |

BETA ( 7 ) = 10.150 ALPHA ( 8 ) = 15.810 Q(PSF) = 43.197 PO/PSF = 2127.1 RUN NO = 185.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6138 | -.6291 | -.6394 | -.6206 |
| .230 | -.6257 | -.6957 | -.6206 | -.6701 |
| .410 | -.6103 | -.6905 | -.4841 | -.4858 |
| .590 | -.4756 | -.6496 | -.3152 | -.3732 |
| .770 | -.3237 | -.5336 | -.2879 | -.4295 |
| .878 | -.2725 | -.4636 | -.3015 | -.4193 |

BETA ( 7 ) = 10.150 ALPHA ( 9 ) = 21.070 Q(PSF) = 43.197 PO/PSF = 2127.1 RUN NO = 185.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5880 | -.6034 | -.5966 | -.6051 |
| .230 | -.6000 | -.6324 | -.5761 | -.5915 |
| .410 | -.5659 | -.6290 | -.5454 | -.4908 |
| .590 | -.4379 | -.4908 | -.4891 | -.5266 |
| .770 | -.3202 | -.4038 | -.4533 | -.5403 |
| .878 | -.2537 | -.3748 | -.2759 | -.5045 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB+GP MAIN GEAR DOOR OUTER SURFACE

(RFFM30) ( 03 FEB 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
LREF = 474.8100 INCHES YMRP = .0000 IN. YO  
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
SCALE = .0405

PARAMETRIC DATA

MACH = .170 ELEVON = -10.000  
BDFLAP = -11.700 SPDBRK = .000  
PHI-N = 66.000 THETAN = 108.000  
PHI-M = 88.000 THETAM = 98.000

BETA ( 1 ) = -10.100 ALPHA ( 1 ) = -.130 Q(PSF) = 43.151 PO/PSF = 2127.1 RUN NO = 186.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.0906 .0447 .0977 .0533  
.230 -.2006 -.1044 -.1351 -.1817  
.410 -.2057 -.1370 -.1507 -.1903  
.590 -.1696 -.1731 -.1885 -.2023  
.770 -.2298 -.2349 -.2504 -.2593  
.878 -.3226 -.3140 -.2968 -.3294

BETA ( 1 ) = -10.100 ALPHA ( 2 ) = 1.950 Q(PSF) = 43.151 PO/PSF = 2127.1 RUN NO = 186.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.0873 .0003 .1253 .0773  
.230 -.1131 -.0460 -.0529 -.1234  
.410 -.1234 -.0770 -.0907 -.1200  
.590 -.0976 -.1166 -.1286 -.1389  
.770 -.1682 -.1837 -.1992 -.2112  
.878 -.2628 -.2628 -.2473 -.2800

BETA ( 1 ) = -10.100 ALPHA ( 3 ) = 4.040 Q(PSF) = 43.151 PO/PSF = 2127.1 RUN NO = 186.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.1039 -.2047 -.0184 .1143  
.230 -.0303 .0105 .0054 -.0645  
.410 -.0389 -.0167 -.0269 -.0628  
.590 -.0337 -.0577 -.0662 -.0748  
.770 -.1073 -.1261 -.1380 -.1500  
.878 -.2030 -.2082 -.1893 -.2235

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM30)

BETA ( 1 ) = -10.100    ALPHA ( 4 ) = 5.090    Q(PSF) = 43.151    PO/PSF = 2127.1    RUN NO = 186.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML      .0760    .3100    .5820    .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1060 | -.2846 | -.1782 | .1336  |
| .230 | .0003  | .0396  | .0327  | -.0391 |
| .410 | -.0116 | .0054  | -.0031 | -.0253 |
| .590 | -.0099 | -.0322 | -.0391 | -.0425 |
| .770 | -.0820 | -.1060 | -.1163 | -.1215 |
| .878 | -.1782 | -.1885 | -.1713 | -.2022 |

BETA ( 1 ) = -10.100    ALPHA ( 5 ) = 6.120    Q(PSF) = 43.151    PO/PSF = 2127.1    RUN NO = 186.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML      .0760    .3100    .5820    .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0971 | -.3077 | -.2803 | .1502  |
| .230 | .0326  | .0701  | .0684  | -.0133 |
| .410 | .0207  | .0360  | .0275  | .0020  |
| .590 | .0190  | -.0082 | -.0116 | -.0150 |
| .770 | -.0561 | -.0217 | -.0869 | -.0903 |
| .878 | -.1554 | -.1639 | -.1468 | -.1742 |

BETA ( 1 ) = -10.100    ALPHA ( 6 ) = 8.250    Q(PSF) = 43.151    PO/PSF = 2127.1    RUN NO = 186.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML      .0760    .3100    .5820    .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | .0719  | .0463  | .0463  | .0463  |
| .230 | -.0047 | -.0270 | -.0321 | -.0253 |
| .410 | -.1041 | -.1126 | -.0938 | -.1178 |
| .590 | -.2031 | -.0453 | -.2686 | -.2703 |
| .770 | -.0270 | .0975  | .1333  | .1418  |
| .878 | .0105  | .0855  | .0940  | .0923  |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM30)

BETA ( 1 ) = -10.100 ALPHA ( 7 ) = 10.320 Q(PSF) = 43.151 PO/PSF = 2127.1 RUN NO = 186.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0150 | -.2157 | -.1934 | -.1540 |
| .230 | .1403  | .1881  | .1813  | .0720  |
| .410 | .1420  | .1488  | .1556  | .1198  |
| .590 | .1215  | .1010  | .1078  | .1113  |
| .770 | .0378  | .0242  | .0242  | .0395  |
| .878 | -.0596 | -.0648 | -.0390 | -.0545 |

BETA ( 1 ) = -10.110 ALPHA ( 8 ) = 15.570 Q(PSF) = 43.151 PO/PSF = 2127.1 RUN NO = 186.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1057 | -.1091 | -.0851 | -.1861 |
| .230 | .1416  | .1859  | .1535  | .1280  |
| .410 | .1365  | .2591  | .2898  | .2353  |
| .590 | .1263  | .2200  | .2540  | .2779  |
| .770 | .0258  | .1416  | .1638  | .2063  |
| .878 | -.0440 | .0565  | .0854  | .0650  |

BETA ( 1 ) = -10.110 ALPHA ( 9 ) = 20.810 Q(PSF) = 43.151 PO/PSF = 2127.1 RUN NO = 186.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |       |       |       |
|------|--------|-------|-------|-------|
| .050 | .1311  | .1260 | .1481 | .1090 |
| .230 | -.0867 | .0988 | .1141 | .0700 |
| .410 | -.0269 | .2195 | .2110 | .1923 |
| .590 | .0328  | .2977 | .3402 | .3317 |
| .770 | .0428  | .2586 | .3045 | .2960 |
| .878 | .0275  | .1889 | .2331 | .1905 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

PAGE 1030

0A163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM30)

BETA ( 2 ) = -5.070 ALPHA ( 1 ) = -.110 Q(PSF) = 43.222 PO/PSF = 2127.0 RUN NO = 187.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5858 | -.6132 | -.5361 | -.0595 |
| .230 | -.1264 | -.1161 | -.1504 | -.1967 |
| .410 | -.1384 | -.1590 | -.1864 | -.2413 |
| .590 | -.1350 | -.1984 | -.2293 | -.2875 |
| .770 | -.2121 | -.2567 | -.2892 | -.2961 |
| .878 | -.3115 | -.3270 | -.3201 | -.3424 |

BETA ( 2 ) = -5.070 ALPHA ( 2 ) = 1.970 Q(PSF) = 43.222 PO/PSF = 2127.0 RUN NO = 187.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5640 | -.5332 | -.6256 | -.0389 |
| .230 | -.0560 | -.0492 | -.0680 | -.1467 |
| .410 | -.0748 | -.0553 | -.1159 | -.1586 |
| .590 | -.0902 | -.1432 | -.1740 | -.2373 |
| .770 | -.1757 | -.2134 | -.2407 | -.2561 |
| .878 | -.2801 | -.2869 | -.2801 | -.3040 |

BETA ( 2 ) = -5.070 ALPHA ( 3 ) = 4.020 Q(PSF) = 43.222 PO/PSF = 2127.0 RUN NO = 187.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4945 | -.4671 | -.5150 | -.1177 |
| .230 | -.0099 | -.0133 | .0139  | -.1074 |
| .410 | -.0184 | -.0355 | -.0475 | -.1177 |
| .590 | -.0441 | -.0903 | -.1109 | -.1331 |
| .770 | -.1451 | -.1657 | -.1896 | -.2290 |
| .878 | -.2513 | -.2479 | -.2462 | -.2907 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM301)

BETA ( 2 ) = -5.070 ALPHA ( 4 ) = 5.050 Q(PSF) = 43.222 PO/PSF = 2127.0 RUN NO = 187.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4786 | -.4443 | -.4734 | -.2863 |
| .230 | .0071  | -.0082 | .0259  | -.0871 |
| .410 | .0003  | -.0082 | -.0167 | -.0906 |
| .590 | -.0287 | -.0631 | -.0785 | -.0991 |
| .770 | -.1403 | -.1438 | -.1678 | -.2004 |
| .878 | -.2623 | -.2262 | -.2245 | -.2726 |

BETA ( 2 ) = -5.070 ALPHA ( 5 ) = 5.110 Q(PSF) = 43.222 PO/PSF = 2127.0 RUN NO = 187.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4744 | -.4247 | -.4367 | -.4212 |
| .230 | .0190  | -.0082 | .0122  | -.0733 |
| .410 | .0139  | .0207  | .0139  | -.0698 |
| .590 | -.0218 | -.0373 | -.0458 | -.0647 |
| .770 | -.1744 | -.1230 | -.1350 | -.1624 |
| .878 | -.3030 | -.2052 | -.1932 | -.2430 |

BETA ( 2 ) = -5.070 ALPHA ( 6 ) = 5.190 Q(PSF) = 43.222 PO/PSF = 2127.0 RUN NO = 187.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4605 | -.3954 | -.3817 | -.5376 |
| .230 | .0310  | .0003  | -.0201 | -.0818 |
| .410 | -.0321 | .0736  | .0736  | -.0218 |
| .590 | -.0612 | .0088  | .0173  | .0020  |
| .770 | -.1966 | -.0767 | -.0749 | -.1006 |
| .878 | -.2891 | -.1606 | -.1401 | -.2086 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM30)

BETA ( 2 ) = -5.070 ALPHA ( 7 ) = 10.280 Q(PSF) = 43.222 PO/PSF = 2127.0 RUN NO = 187.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4664 | -.3638 | -.3484 | -.4733 |
| .230 | -.0423 | -.0081 | -.0423 | -.1022 |
| .410 | -.0560 | .1092  | .1313  | .0275  |
| .590 | -.0765 | .0513  | .0768  | .0666  |
| .770 | -.1825 | -.0355 | -.0201 | -.0355 |
| .878 | -.2527 | -.1176 | -.0953 | -.1637 |

BETA ( 2 ) = -5.070 ALPHA ( 8 ) = 15.520 Q(PSF) = 43.222 PO/PSF = 2127.0 RUN NO = 187.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1122 | -.1173 | -.1566 | -.1719 |
| .230 | -.4160 | -.1310 | -.1190 | -.1754 |
| .410 | -.2897 | .0614  | .0648  | .0020  |
| .590 | -.1839 | .1378  | .1786  | .1718  |
| .770 | -.1754 | .0767  | .1293  | .1260  |
| .878 | -.1890 | -.0013 | .0529  | .0223  |

BETA ( 2 ) = -5.070 ALPHA ( 9 ) = 20.800 Q(PSF) = 43.222 PO/PSF = 2127.0 RUN NO = 187.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0353 | -.0421 | -.0404 | -.0438 |
| .230 | -.1869 | -.0745 | -.0796 | -.1034 |
| .410 | -.1698 | -.0115 | .0020  | -.0064 |
| .590 | -.1273 | -.0166 | .1867  | .1782  |
| .770 | -.1034 | -.1085 | .2273  | .2256  |
| .878 | -.0932 | -.1852 | .2019  | .1799  |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM30)

BETA ( 3 ) = -2.010 ALPHA ( 1 ) = -.110 Q(PSF) = 43.250 PO/PSF = 2127.0 RUN NO = 188.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7309 | -.6213 | -.7497 | -.1451 |
| .230 | -.0972 | -.1177 | -.1246 | -.2119 |
| .410 | -.1160 | -.1520 | -.1879 | -.3078 |
| .590 | -.1466 | -.2102 | -.2599 | -.3695 |
| .770 | -.2616 | -.2804 | -.3250 | -.3626 |
| .878 | -.3781 | -.3507 | -.3507 | -.3746 |

BETA ( 3 ) = -2.010 ALPHA ( 2 ) = 1.940 Q(PSF) = 43.250 PO/PSF = 2127.0 RUN NO = 188.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7143 | -.5721 | -.6304 | -.3184 |
| .230 | -.0578 | -.1161 | -.0681 | -.1812 |
| .410 | -.0715 | -.0938 | -.1230 | -.2292 |
| .590 | -.1195 | -.1590 | -.1881 | -.2532 |
| .770 | -.2841 | -.2378 | -.2772 | -.3389 |
| .878 | -.4127 | -.3167 | -.3218 | -.3629 |

BETA ( 3 ) = -2.010 ALPHA ( 3 ) = 4.040 Q(PSF) = 43.250 PO/PSF = 2127.0 RUN NO = 188.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6844 | -.5406 | -.5628 | -.5628 |
| .230 | -.0492 | -.1280 | -.0971 | -.1827 |
| .410 | -.0954 | -.0424 | -.0646 | -.1862 |
| .590 | -.1536 | -.1091 | -.1280 | -.1759 |
| .770 | -.3197 | -.1964 | -.2187 | -.2632 |
| .878 | -.4139 | -.2786 | -.2718 | -.3163 |



DATE 15 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFH30)

BETA ( 3 ) = -2.010 ALPHA ( 4 ) = 5.070 Q(PSF) = 43.250 PO/PSF = 2127.0 RUN NO = 188.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6643 | -.5289 | -.5341 | -.6523 |
| .230 | -.0509 | -.1246 | -.1229 | -.2154 |
| .410 | -.1332 | -.0184 | -.0304 | -.1589 |
| .590 | -.1709 | -.0869 | -.0921 | -.1332 |
| .770 | -.3114 | -.1777 | -.1863 | -.2308 |
| .878 | -.4004 | -.2565 | -.2463 | -.3011 |

BETA ( 3 ) = -2.010 ALPHA ( 5 ) = 6.100 Q(PSF) = 43.250 PO/PSF = 2127.0 RUN NO = 188.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6531 | -.5231 | -.5111 | -.6770 |
| .230 | -.0782 | -.1210 | -.1484 | -.2493 |
| .410 | -.1655 | .0020  | -.0030 | -.1279 |
| .590 | -.1860 | -.0663 | -.0611 | -.0988 |
| .770 | -.3092 | -.1552 | -.1552 | -.2031 |
| .878 | -.3913 | -.2408 | -.2237 | -.2904 |

BETA ( 3 ) = -2.010 ALPHA ( 6 ) = 8.180 Q(PSF) = 43.250 PO/PSF = 2127.0 RUN NO = 188.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6208 | -.4993 | -.4839 | -.6037 |
| .230 | -.2186 | -.1348 | -.1621 | -.2494 |
| .410 | -.2015 | .0326  | .0463  | -.0851 |
| .590 | -.2015 | -.0286 | -.0099 | -.0286 |
| .770 | -.2974 | -.1176 | -.1057 | -.1331 |
| .878 | -.3641 | -.1981 | -.1741 | -.2375 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM30)

BETA ( 3 ) = -2.010 ALPHA ( 7 ) = 10.300 Q(PSF) = 43.250 PO/PSF = 2127.0 RUN NO = 188.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4278 | -.3920 | -.4449 | -.4926 |
| .230 | -.4978 | -.2231 | -.2026 | -.2674 |
| .410 | -.2930 | .0529  | .0614  | -.0644 |
| .590 | -.2413 | .0105  | .0427  | .0478  |
| .770 | -.2930 | -.0712 | -.0405 | -.0422 |
| .878 | -.3357 | -.1463 | .1139  | -.1582 |

BETA ( 3 ) = -2.010 ALPHA ( 8 ) = 15.560 Q(PSF) = 43.250 PO/PSF = 2127.0 RUN NO = 188.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2063 | -.2097 | -.1909 | -.1892 |
| .230 | -.4968 | -.2371 | -.2319 | -.2627 |
| .410 | -.4678 | -.0970 | -.1345 | -.1602 |
| .590 | -.3584 | .0428  | .0853  | .0615  |
| .770 | -.2971 | -.0132 | .0904  | .1091  |
| .878 | -.2986 | -.1072 | .0326  | .0547  |

BETA ( 3 ) = -2.010 ALPHA ( 9 ) = 20.790 Q(PSF) = 43.250 PO/PSF = 2127.0 RUN NO = 188.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1663 | -.1714 | -.1765 | -.1748 |
| .230 | -.2701 | -.2072 | -.2106 | -.2276 |
| .410 | -.2463 | -.2310 | -.0948 | -.1391 |
| .590 | -.2191 | -.3569 | .0961  | .0206  |
| .770 | -.1714 | -.4114 | .1781  | .1577  |
| .878 | -.1289 | -.4029 | .1832  | .1425  |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM30)

BETA ( 4 ) = -.030 ALPHA ( 1 ) = -.140 Q(PSF) = 43.222 PO/PSF = 2127.0 RUN NO = 189.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.8259 | -.6562 | -.7350 | -.3219 |
| .230 | -.1007 | -.1744 | -.1350 | -.2499 |
| .410 | -.1213 | -.1538 | -.1950 | -.3304 |
| .590 | -.1778 | -.2207 | -.2584 | -.3510 |
| .770 | -.3596 | -.2996 | -.3476 | -.4059 |
| .878 | -.4830 | -.3733 | -.3853 | -.4196 |

BETA ( 4 ) = -.030 ALPHA ( 2 ) = 1.970 Q(PSF) = 43.222 PO/PSF = 2127.0 RUN NO = 189.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7826 | -.6240 | -.6581 | -.5904 |
| .230 | -.0917 | -.2009 | -.1531 | -.2589 |
| .410 | -.1480 | -.1002 | -.1309 | -.2742 |
| .590 | -.2179 | -.1719 | -.1975 | -.2674 |
| .770 | -.3800 | -.2572 | -.2862 | -.3374 |
| .878 | -.4773 | -.3357 | -.3339 | -.3698 |

BETA ( 4 ) = -.030 ALPHA ( 3 ) = 4.010 Q(PSF) = 43.222 PO/PSF = 2127.0 RUN NO = 189.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7486 | -.6286 | -.6132 | -.7657 |
| .230 | -.1350 | -.2035 | -.2172 | -.3372 |
| .410 | -.2275 | -.0595 | -.0733 | -.2189 |
| .590 | -.2515 | -.1315 | -.1350 | -.1795 |
| .770 | -.3869 | -.2241 | -.2275 | -.2824 |
| .878 | -.4726 | -.3029 | -.2892 | -.3475 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM30)

BETA ( 4 ) = -.030 ALPHA ( 4 ) = 5.060 Q(PSF) = 43.222 PO/PSF = 2127.0 RUN NO = 189.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7431 | -.6269 | -.5927 | -.7482 |
| .230 | -.1944 | -.2115 | -.2303 | -.3602 |
| .410 | -.2559 | -.0423 | -.0440 | -.1961 |
| .590 | -.2730 | -.1107 | -.1038 | -.1414 |
| .770 | -.3807 | -.2013 | -.2030 | -.2474 |
| .878 | -.4611 | -.2850 | -.2662 | -.3294 |

BETA ( 4 ) = -.030 ALPHA ( 5 ) = 6.110 Q(PSF) = 43.222 PO/PSF = 2127.0 RUN NO = 189.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7297 | -.6135 | -.5741 | -.7058 |
| .230 | -.2937 | -.2184 | -.2373 | -.3638 |
| .410 | -.2868 | -.0286 | -.0252 | -.1740 |
| .590 | -.2834 | -.0936 | -.0799 | -.1090 |
| .770 | -.3792 | -.1842 | -.1774 | -.2082 |
| .878 | -.4493 | -.2629 | -.2424 | -.3005 |

BETA ( 4 ) = -.030 ALPHA ( 6 ) = 8.190 Q(PSF) = 43.222 PO/PSF = 2127.0 RUN NO = 189.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6214 | -.5480 | -.5650 | -.6522 |
| .230 | -.6078 | -.2541 | -.2524 | -.3344 |
| .410 | -.3652 | -.0030 | .0088  | -.1465 |
| .590 | -.3156 | -.0576 | -.0303 | -.0354 |
| .770 | -.3703 | -.1431 | -.1209 | -.1260 |
| .878 | -.4232 | -.2199 | -.1858 | -.2268 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM30)

BETA ( 4 ) = -.030 ALPHA ( 7 ) = 10.280 Q(PSF) = 43.222 PO/PSF = 2127.0 RUN NO = 189.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3642 | -.3986 | -.4708 | -.4932 |
| .230 | -.7047 | -.3762 | -.3418 | -.4106 |
| .410 | -.5069 | -.0546 | -.0322 | -.1612 |
| .590 | -.3831 | -.0133 | .0157  | .0086  |
| .770 | -.3848 | -.1010 | -.0563 | -.0494 |
| .878 | -.4141 | -.1836 | -.1217 | -.1457 |

BETA ( 4 ) = -.030 ALPHA ( 8 ) = 15.510 Q(PSF) = 43.222 PO/PSF = 2127.0 RUN NO = 189.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2876 | -.2945 | -.2825 | -.2842 |
| .230 | -.5260 | -.3253 | -.3305 | -.3442 |
| .410 | -.5088 | -.1916 | -.2053 | -.2465 |
| .590 | -.4179 | -.0767 | .0327  | .0156  |
| .770 | -.3648 | -.1899 | .0685  | .0992  |
| .878 | -.3459 | -.2928 | .0259  | .0566  |

BETA ( 4 ) = -.040 ALPHA ( 9 ) = 20.800 Q(PSF) = 43.222 PO/PSF = 2127.0 RUN NO = 189.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2482 | -.2670 | -.2789 | -.2874 |
| .230 | -.3334 | -.3147 | -.2993 | -.3181 |
| .410 | -.3062 | -.3760 | -.1733 | -.2789 |
| .590 | -.2533 | -.5088 | -.0115 | -.0898 |
| .770 | -.1818 | -.4935 | .1138  | .1460  |
| .878 | -.1256 | -.4458 | .0816  | .1155  |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM30)

BETA ( 5 ) = 5.020 ALPHA ( 1 ) = -.130 Q(PSF) = 43.212 PO/PSF = 2127.1 RUN NO = 190.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.9716 | -.8361 | -.7984 | -.9201 |
| .230 | -.3116 | -.3904 | -.3870 | -.5053 |
| .410 | -.3887 | -.1881 | -.2190 | -.4076 |
| .590 | -.4196 | -.2567 | -.2790 | -.3373 |
| .770 | -.5378 | -.3441 | -.3647 | -.4076 |
| .878 | -.6218 | -.4144 | -.4093 | -.4418 |

BETA ( 5 ) = 5.020 ALPHA ( 2 ) = 1.950 Q(PSF) = 43.212 PO/PSF = 2127.1 RUN NO = 190.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.9747 | -.8379 | -.7712 | -.9183 |
| .230 | -.6120 | -.3845 | -.4119 | -.5744 |
| .410 | -.4683 | -.1501 | -.1672 | -.3554 |
| .590 | -.4427 | -.2237 | -.2220 | -.2562 |
| .770 | -.5265 | -.3109 | -.3075 | -.3400 |
| .878 | -.6052 | -.3828 | -.3623 | -.3965 |

BETA ( 5 ) = 5.020 ALPHA ( 3 ) = 4.020 Q(PSF) = 43.212 PO/PSF = 2127.1 RUN NO = 190.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.9066 | -.8043 | -.7907 | -.9236 |
| .230 | -.9543 | -.3781 | -.3644 | -.5128 |
| .410 | -.5315 | -.1206 | -.1257 | -.2996 |
| .590 | -.4633 | -.1922 | -.1735 | -.1905 |
| .770 | -.5179 | -.2732 | -.2553 | -.2775 |
| .878 | -.5758 | -.3474 | -.3064 | -.3286 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM30)

BETA ( 5 ) = 5.020 ALPHA ( 4 ) = 5.110 Q(PSF) = 43.212 PO/PSF = 2127.1 RUN NO = 190.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |         |        |        |        |
|------|---------|--------|--------|--------|
| .050 | -.7634  | -.7188 | -.8045 | -.9261 |
| .230 | -1.1384 | -.4140 | -.3609 | -.4825 |
| .410 | -.5870  | -.1057 | -.1040 | -.2650 |
| .590 | -.4791  | -.1725 | -.1537 | -.1605 |
| .770 | -.5185  | -.2633 | -.2325 | -.2564 |
| .878 | -.5681  | -.3386 | -.2838 | -.2958 |

BETA ( 5 ) = 5.020 ALPHA ( 5 ) = 6.110 Q(PSF) = 43.212 PO/PSF = 2127.1 RUN NO = 190.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |         |        |        |        |
|------|---------|--------|--------|--------|
| .050 | -.6381  | -.6483 | -.8195 | -.9257 |
| .230 | -1.1379 | -.5011 | -.4155 | -.4720 |
| .410 | -.6449  | -.0783 | -.0834 | -.2529 |
| .590 | -.4977  | -.1502 | -.1279 | -.1348 |
| .770 | -.5148  | -.2580 | -.2118 | -.2307 |
| .878 | -.5559  | -.3368 | -.2615 | -.2649 |

BETA ( 5 ) = 5.020 ALPHA ( 6 ) = 8.200 Q(PSF) = 43.212 PO/PSF = 2127.1 RUN NO = 190.00

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5504 | -.6276 | -.7546 | -.8267 |
| .230 | -.8610 | -.5710 | -.5024 | -.5521 |
| .410 | -.6637 | -.1454 | -.1231 | -.2570 |
| .590 | -.5230 | -.1489 | -.0888 | -.0957 |
| .770 | -.5092 | -.2724 | -.1540 | -.1540 |
| .878 | -.5264 | -.3685 | -.2038 | -.2003 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM30)

BETA ( 5 ) = 5.020 ALPHA ( 7 ) = 10.280 Q(PSF) = 43.212 PO/PSF = 2127.1 RUN NO = 190.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5436 | -.5573 | -.5607 | -.5675 |
| .230 | -.8515 | -.5744 | -.5761 | -.6069 |
| .410 | -.7780 | -.2818 | -.3143 | -.3879 |
| .590 | -.6189 | -.2031 | -.0834 | -.1005 |
| .770 | -.5607 | -.3332 | -.0800 | -.0663 |
| .878 | -.5436 | -.4341 | -.1279 | -.1039 |

BETA ( 5 ) = 5.020 ALPHA ( 8 ) = 15.540 Q(PSF) = 43.212 PO/PSF = 2127.1 RUN NO = 190.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4945 | -.5082 | -.4979 | -.4893 |
| .230 | -.6229 | -.5527 | -.5544 | -.5784 |
| .410 | -.6024 | -.5561 | -.4140 | -.4756 |
| .590 | -.5681 | -.7068 | -.1263 | -.1485 |
| .770 | -.4602 | -.6691 | .0275  | .0701  |
| .878 | -.3626 | -.6161 | .0054  | .0463  |

BETA ( 5 ) = 5.020 ALPHA ( 9 ) = 20.820 Q(PSF) = 43.212 PO/PSF = 2127.1 RUN NO = 190.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4768 | -.5521 | -.6103 | -.6462 |
| .230 | -.4991 | -.6736 | -.6308 | -.7061 |
| .410 | -.5572 | -.8241 | -.5487 | -.7711 |
| .590 | -.4135 | -.8293 | -.3023 | -.0748 |
| .770 | -.2373 | -.7369 | -.2373 | .1245  |
| .878 | -.1723 | -.6428 | -.2014 | .0769  |



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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM30)

BETA ( 6 ) = 10.100 ALPHA ( 1 ) = -.110 Q(PSF) = 43.232 PO/PSF = 2127.2 RUN NO = 191.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |         |        |        |        |
|------|---------|--------|--------|--------|
| .050 | -1.0818 | -.9203 | -.9787 | -.8945 |
| .230 | -1.0766 | -.4032 | -.3689 | -.5355 |
| .410 | -.6197  | -.2211 | -.2452 | -.3878 |
| .590 | -.5475  | -.3002 | -.2933 | -.3053 |
| .770 | -.6231  | -.3946 | -.3654 | -.4050 |
| .878 | -.6935  | -.4651 | -.4032 | -.4307 |

BETA ( 6 ) = 10.100 ALPHA ( 2 ) = 1.980 Q(PSF) = 43.232 PO/PSF = 2127.2 RUN NO = 191.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |         |        |         |         |
|------|---------|--------|---------|---------|
| .050 | -.9361  | -.8985 | -1.0062 | -1.0523 |
| .230 | -1.3069 | -.4627 | -.3960  | -.5892  |
| .410 | -.7173  | -.1841 | -.2098  | -.3619  |
| .590 | -.5806  | -.2935 | -.2559  | -.2644  |
| .770 | -.6148  | -.4097 | -.3362  | -.3687  |
| .878 | -.6609  | -.4917 | -.3687  | -.3824  |

BETA ( 6 ) = 10.090 ALPHA ( 3 ) = 4.020 Q(PSF) = 43.232 PO/PSF = 2127.2 RUN NO = 191.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |         |         |
|------|--------|--------|---------|---------|
| .050 | -.8198 | -.8745 | -1.0591 | -1.0779 |
| .230 | -.9907 | -.5669 | -.4251  | -.6113  |
| .410 | -.7258 | -.2080 | -.2303  | -.3670  |
| .590 | -.5703 | -.3430 | -.2439  | -.2644  |
| .770 | -.5823 | -.4712 | -.3106  | -.3345  |
| .878 | -.6096 | -.5396 | -.3413  | -.3259  |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM30)

BETA ( 6 ) = 10.100 ALPHA ( 4 ) = 5.080 Q(PSF) = 43.232 PO/PSF = 2127.2 RUN NO = 191.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |         |         |
|------|--------|--------|---------|---------|
| .050 | -.7909 | -.8986 | -1.0832 | -1.2182 |
| .230 | -.8678 | -.7687 | -.5004  | -.6439  |
| .410 | -.7448 | -.2747 | -.2354  | -.3722  |
| .590 | -.6063 | -.3363 | -.2286  | -.2354  |
| .770 | -.5841 | -.4627 | -.2884  | -.2935  |
| .878 | -.5892 | -.5448 | -.3175  | -.2918  |

BETA ( 6 ) = 10.090 ALPHA ( 5 ) = 6.130 Q(PSF) = 43.232 PO/PSF = 2127.2 RUN NO = 191.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |         |
|------|--------|--------|--------|---------|
| .050 | -.7941 | -.8846 | -.9906 | -1.0162 |
| .230 | -.8453 | -.8556 | -.6693 | -.7599  |
| .410 | -.8317 | -.3943 | -.2627 | -.3943  |
| .590 | -.6762 | -.3618 | -.1926 | -.1926  |
| .770 | -.6130 | -.4797 | -.2371 | -.2439  |
| .878 | -.5925 | -.5720 | -.2781 | -.2541  |

BETA ( 6 ) = 10.090 ALPHA ( 6 ) = 8.190 Q(PSF) = 43.232 PO/PSF = 2127.2 RUN NO = 191.00

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |         |        |        |        |
|------|---------|--------|--------|--------|
| .050 | -.7829  | -.8034 | -.7949 | -.7932 |
| .230 | -1.0121 | -.8240 | -.8462 | -.8702 |
| .410 | -.9642  | -.5554 | -.4887 | -.6085 |
| .590 | -.8377  | -.5828 | -.1877 | -.2082 |
| .770 | -.8991  | -.6529 | -.1501 | -.1022 |
| .878 | -.5899  | -.6889 | -.1860 | -.1347 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR OUTER SURFACE

(RFFM30)

BETA ( 6 ) = 10.090 ALPHA ( 7 ) = 10.280 Q(PSF) = 43.232 PO/PSF = 2127.2 RUN NO = 191.00

SECTION ( 1 ) MAIN LND GR DR-0 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7543 | -.7765 | -.7611 | -.7491 |
| .230 | -.9425 | -.8073 | -.8330 | -.8398 |
| .410 | -.9117 | -.7474 | -.6071 | -.7286 |
| .590 | -.8535 | -.7919 | -.2118 | -.2409 |
| .770 | -.6584 | -.7748 | -.0783 | -.0133 |
| .878 | -.5284 | -.7543 | -.1399 | -.0577 |

BETA ( 6 ) = 10.090 ALPHA ( 8 ) = 15.530 Q(PSF) = 43.232 PO/PSF = 2127.2 RUN NO = 191.00

SECTION ( 1 ) MAIN LND GR DR-0 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7379 | -.7653 | -.7636 | -.7482 |
| .230 | -.8047 | -.8578 | -.8081 | -.8681 |
| .410 | -.8030 | -.9246 | -.6111 | -.7122 |
| .590 | -.7002 | -.9571 | -.3010 | -.4724 |
| .770 | -.5340 | -.8458 | -.2908 | -.2274 |
| .878 | -.4244 | -.7807 | -.2925 | -.2274 |

BETA ( 6 ) = 10.090 ALPHA ( 9 ) = 20.780 Q(PSF) = 43.232 PO/PSF = 2127.2 RUN NO = 191.00

SECTION ( 1 ) MAIN LND GR DR-0 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |         |        |         |
|------|--------|---------|--------|---------|
| .050 | -.7312 | -.7876  | -.8799 | -.8902  |
| .230 | -.7004 | -.8799  | -.9278 | -1.0526 |
| .410 | -.6987 | -1.0389 | -.8697 | -1.0423 |
| .590 | -.5380 | -1.0047 | -.6372 | -.3876  |
| .770 | -.3261 | -.8492  | -.5192 | -.2115  |
| .878 | -.2337 | -.7158  | -.4440 | -.2167  |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP+SS MAIN GEAR DOOR OUTER SURFACE

(RFFM31) ( 11 MAY 76 )

## REFERENCE DATA

## PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0405

MACH = .170 ELEVON = .000  
 BDFLAP = -11.700 SPDBRK = .000  
 PHI-N = 66.000 THETAN = 108.000  
 PHI-M = 88.000 THETAM = 98.000

BETA ( 1 ) = -10.080 ALPHA ( 1 ) = .000 Q(PSF) = 44.092 PO/PSF = 2117.2

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0750 .3100 .5820 .8530

X/CML

.050 -.0705 .0366 .1319 .1085  
 .230 -.1142 -.0504 -.0605 -.1226  
 .410 -.1176 -.0840 -.1041 -.1461  
 .590 -.0941 -.1192 -.1360 -.1528  
 .770 -.1562 -.1814 -.2015 -.2167  
 .878 -.2402 -.2553 -.2419 -.2687

BETA ( 1 ) = -10.080 ALPHA ( 2 ) = 5.210 Q(PSF) = 44.092 PO/PSF = 2117.2

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0750 .3100 .5820 .8530

X/CML

.050 -.0956 -.2785 -.2601 .1852  
 .230 .0566 .0850 .0816 .0032  
 .410 .0466 .0533 .0416 .0132  
 .590 .0449 .0115 -.0001 -.0068  
 .770 -.0235 -.0554 -.0688 -.0705  
 .878 -.1141 -.1342 -.1208 -.1426

BETA ( 1 ) = -10.070 ALPHA ( 3 ) = 10.420 Q(PSF) = 44.092 PO/PSF = 2117.2

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0750 .3100 .5820 .8530

X/CML

.050 -.0051 -.1629 -.1427 -.0823  
 .230 .1702 .2037 .1870 .1235  
 .410 .1786 .1836 .1920 .1435  
 .590 .1569 .1352 .1418 .1502  
 .770 .0683 .0600 .0633 .0834  
 .878 -.0201 -.0185 -.0001 -.0252

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP+SS MAIN GEAR DOOR OUTER SURFACE

(RFFM31)

BETA ( 1 ) = -10.070 ALPHA ( 4 ) = 15.660 Q(PSF) = 44.092 PO/PSF = 2117.2

SECTION ( 1 ) MAIN LND GR DR-0 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1059 | -.0335 | -.0706 | -.1680 |
| .230 | .1236  | .1737  | .1537  | .1754  |
| .410 | .1252  | .2808  | .3042  | .2356  |
| .590 | .1236  | .2456  | .2724  | .2958  |
| .770 | .0433  | .1721  | .1888  | .2206  |
| .878 | -.0135 | .0951  | .1202  | .0901  |

BETA ( 1 ) = -10.070 ALPHA ( 5 ) = 20.880 Q(PSF) = 44.092 PO/PSF = 2117.2

SECTION ( 1 ) MAIN LND GR DR-0 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |       |       |       |
|------|--------|-------|-------|-------|
| .050 | .1545  | .1511 | .1744 | .1445 |
| .230 | -.0518 | .1412 | .1445 | .0946 |
| .410 | .0131  | .2609 | .2492 | .2210 |
| .590 | .0730  | .3191 | .3623 | .3590 |
| .770 | .0796  | .2825 | .3241 | .3191 |
| .878 | .0647  | .2176 | .2559 | .2243 |

BETA ( 2 ) = -5.030 ALPHA ( 1 ) = .000 Q(PSF) = 44.004 PO/PSF = 2115.0

SECTION ( 1 ) MAIN LND GR DR-0 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5558 | -.5238 | -.5996 | -.0034 |
| .230 | -.0539 | -.0556 | -.0842 | -.1415 |
| .410 | -.0724 | -.1027 | -.1331 | -.1836 |
| .590 | -.0842 | -.1499 | -.1903 | -.2729 |
| .770 | -.1785 | -.2156 | -.2526 | -.2762 |
| .878 | -.2779 | -.2863 | -.2813 | -.2981 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP+SS MAIN GEAR DOOR OUTER SURFACE

(RFFM31)

BETA ( 2 ) = -5.030 ALPHA ( 2 ) = 5.200 Q(PSF) = 44.004 PO/PSF = 2115.0

SECTION ( 1 ) MAIN LND GR DR-O DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4434 | -.3810 | -.4029 | -.1871 |
| .230 | .0351  | -.0018 | .0418  | -.0421 |
| .410 | .0267  | .0384  | .0233  | -.0759 |
| .590 | -.0169 | -.0253 | -.0371 | -.0792 |
| .770 | -.2040 | -.1079 | -.1264 | -.1652 |
| .878 | -.3203 | -.1871 | -.1804 | -.2208 |

BETA ( 2 ) = -5.030 ALPHA ( 3 ) = 10.410 Q(PSF) = 44.004 PO/PSF = 2115.0

SECTION ( 1 ) MAIN LND GR DR-O DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3840 | -.2863 | -.3301 | -.4480 |
| .230 | -.0994 | -.0152 | -.0168 | -.0741 |
| .410 | -.0741 | .1372  | .1490  | .0266  |
| .590 | -.0791 | .0803  | .1037  | .0886  |
| .770 | -.1701 | -.0001 | .0132  | .0048  |
| .878 | -.2257 | -.0758 | -.0505 | -.1078 |

BETA ( 2 ) = -5.030 ALPHA ( 4 ) = 15.650 Q(PSF) = 44.004 PO/PSF = 2115.0

SECTION ( 1 ) MAIN LND GR DR-O DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1007 | -.0957 | -.0991 | -.1074 |
| .230 | -.4013 | -.0974 | -.0907 | -.1897 |
| .410 | -.2787 | .0667  | .0466  | .0032  |
| .590 | -.1847 | .1468  | .1853  | .1753  |
| .770 | -.1662 | .0917  | .1519  | .1585  |
| .878 | -.1662 | .0132  | .0850  | .0850  |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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## GA163 ORB+GP+SS MAIN GEAR DOOR OUTER SURFACE

(RFFM31)

BETA ( 2 ) = -5.040 ALPHA ( 5 ) = 20.890 Q(PSF) = 44.004 PO/PSF = 2115.0

SECTION ( 1 ) MAIN LND GR DR-0 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0067 | -.0084 | -.0001 | -.0051 |
| .230 | -.1421 | -.0401 | -.0434 | -.0702 |
| .410 | -.1237 | .0131  | .0364  | .0281  |
| .590 | -.0836 | -.0217 | .1961  | .1911  |
| .770 | -.0618 | -.1270 | .2543  | .2493  |
| .878 | -.0451 | -.1805 | .2343  | .2144  |

BETA ( 3 ) = .000 ALPHA ( 1 ) = -.010 Q(PSF) = 44.164 PO/PSF = 2114.8

SECTION ( 1 ) MAIN LND GR DR-0 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7584 | -.5904 | -.6524 | -.2717 |
| .230 | -.0755 | -.1778 | -.1157 | -.2281 |
| .410 | -.1275 | -.1107 | -.1543 | -.3153 |
| .590 | -.2096 | -.1795 | -.2231 | -.3069 |
| .770 | -.4008 | -.2633 | -.3002 | -.3438 |
| .878 | -.4965 | -.3338 | -.3338 | -.3522 |

BETA ( 3 ) = .000 ALPHA ( 2 ) = 5.150 Q(PSF) = 44.164 PO/PSF = 2114.8

SECTION ( 1 ) MAIN LND GR DR-0 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6534 | -.5496 | -.5663 | -.7003 |
| .230 | -.3116 | -.2094 | -.2128 | -.3502 |
| .410 | -.2915 | -.0201 | -.0302 | -.2027 |
| .590 | -.2899 | -.0871 | -.0804 | -.1156 |
| .770 | -.3820 | -.1759 | -.1675 | -.1927 |
| .878 | -.4457 | -.2496 | -.2245 | -.2714 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP+SS MAIN GEAR DOOR OUTER SURFACE

(RFFM31)

BETA ( 3 ) = .000 ALPHA ( 3 ) = 10.360 Q(PSF) = 44.164 PO/PSF = 2114.8

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3340 | -.3758 | -.4343 | -.4526 |
| .230 | -.6748 | -.3257 | -.2856 | -.4894 |
| .410 | -.4844 | -.0551 | -.0167 | -.1537 |
| .590 | -.3725 | -.0117 | .0264  | .0414  |
| .770 | -.3674 | -.1002 | -.0267 | -.0167 |
| .878 | -.3842 | -.1887 | -.0885 | -.0952 |

BETA ( 3 ) = .000 ALPHA ( 4 ) = 15.640 Q(PSF) = 44.164 PO/PSF = 2114.8

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2771 | -.2821 | -.2636 | -.2620 |
| .230 | -.4920 | -.3056 | -.3157 | -.3224 |
| .410 | -.4601 | -.1763 | -.1948 | -.2385 |
| .590 | -.3997 | -.1612 | .0282  | .0182  |
| .770 | -.3409 | -.2905 | .0867  | .1185  |
| .878 | -.3140 | -.3661 | .0583  | .0934  |

BETA ( 3 ) = .000 ALPHA ( 5 ) = 20.910 Q(PSF) = 44.164 PO/PSF = 2114.8

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2590 | -.2690 | -.2774 | -.2724 |
| .230 | -.3259 | -.3108 | -.2924 | -.3058 |
| .410 | -.2991 | -.4111 | -.1688 | -.2707 |
| .590 | -.2624 | -.5197 | .0165  | -.0769 |
| .770 | -.1721 | -.4896 | .0614  | .1528  |
| .878 | -.1170 | -.4462 | .0497  | .1146  |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB+GP+SS MAIN GEAR DOOR OUTER SURFACE

(RFFM31)

BETA ( 4 ) = 5.030 ALPHA ( 1 ) = -.010 Q(PSF) = 44.108 PO/PSF = 2116.3

SECTION ( 1 ) MAIN LND GR DR-0 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.9123 | -.7794 | -.7507 | -.8450 |
| .230 | -.4915 | -.3804 | -.3787 | -.5050 |
| .410 | -.4545 | -.1633 | -.1986 | -.4040 |
| .590 | -.4494 | -.2340 | -.2474 | -.3013 |
| .770 | -.5437 | -.3198 | -.3249 | -.3518 |
| .878 | -.6144 | -.3838 | -.3670 | -.3905 |

BETA ( 4 ) = 5.030 ALPHA ( 2 ) = 5.200 Q(PSF) = 44.108 PO/PSF = 2116.3

SECTION ( 1 ) MAIN LND GR DR-0 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |         |        |        |        |
|------|---------|--------|--------|--------|
| .050 | -.5738  | -.6241 | -.7970 | -.8305 |
| .230 | -1.0453 | -.4782 | -.3758 | -.5084 |
| .410 | -.6309  | -.0789 | -.0956 | -.2617 |
| .590 | -.4933  | -.1560 | -.1325 | -.1342 |
| .770 | -.5084  | -.2651 | -.2047 | -.2181 |
| .878 | -.5470  | -.3439 | -.2466 | -.2500 |

BETA ( 4 ) = 5.020 ALPHA ( 3 ) = 10.410 Q(PSF) = 44.108 PO/PSF = 2116.3

SECTION ( 1 ) MAIN LND GR DR-0 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5395 | -.5479 | -.5294 | -.5227 |
| .230 | -.8705 | -.5428 | -.5865 | -.5479 |
| .410 | -.7529 | -.2420 | -.3344 | -.4369 |
| .590 | -.6151 | -.2235 | -.0840 | -.0823 |
| .770 | -.5411 | -.3613 | -.0807 | -.0235 |
| .878 | -.5092 | -.4722 | -.1160 | -.0639 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP+SS MAIN GEAR DOOR OUTER SURFACE

(RFFM31)

BETA ( 4 ) = 5.020 ALPHA ( 4 ) = 15.650 Q(PSF) = 44.108 PO/PSF = 2116.3

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4846 | -.4980 | -.4846 | -.4695 |
| .230 | -.5969 | -.5433 | -.5382 | -.5684 |
| .410 | -.5869 | -.5953 | -.4024 | -.4695 |
| .590 | -.5651 | -.7277 | -.1375 | -.1777 |
| .770 | -.4343 | -.6841 | .0082  | .0249  |
| .878 | -.3471 | -.6305 | -.0218 | .0215  |

BETA ( 4 ) = 5.020 ALPHA ( 5 ) = 20.900 Q(PSF) = 44.108 PO/PSF = 2116.3

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4881 | -.5281 | -.5948 | -.6247 |
| .230 | -.4831 | -.6397 | -.5831 | -.6747 |
| .410 | -.4998 | -.7547 | -.5498 | -.7397 |
| .590 | -.4048 | -.7747 | -.3299 | -.1283 |
| .770 | -.2116 | -.6697 | -.2882 | .0711  |
| .878 | -.1416 | -.5748 | -.2532 | .0396  |

BETA ( 5 ) = 10.060 ALPHA ( 1 ) = .000 Q(PSF) = 44.046 PO/PSF = 2116.4

SECTION ( 1 ) MAIN LND GR DR-0

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |         |        |        |        |
|------|---------|--------|--------|--------|
| .050 | -.9455  | -.8613 | -.9540 | -.7702 |
| .230 | -1.2219 | -.4079 | -.3489 | -.5781 |
| .410 | -.6657  | -.1955 | -.2326 | -.3910 |
| .590 | -.5663  | -.3051 | -.2832 | -.2916 |
| .770 | -.6169  | -.4197 | -.3573 | -.3826 |
| .878 | -.6641  | -.5006 | -.3876 | -.3978 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP+SS MAIN GEAR DOOR OUTER SURFACE

(RFFM31)

BETA ( 5 ) = 10.060 ALPHA ( 2 ) = 5.200 Q(PSF) = 44.046 PO/PSF = 2112.4

SECTION ( 1 ) MAIN LND GR DR-0 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |         |         |
|------|--------|--------|---------|---------|
| .050 | -.7872 | -.9269 | -1.1439 | -1.2768 |
| .230 | -.7822 | -.8613 | -.5551  | -.7031  |
| .410 | -.7872 | -.3347 | -.2136  | -.3667  |
| .590 | -.6342 | -.3617 | -.2103  | -.1985  |
| .770 | -.5904 | -.5097 | -.2708  | -.2641  |
| .878 | -.5686 | -.5955 | -.3062  | -.2742  |

BETA ( 5 ) = 10.070 ALPHA ( 3 ) = 10.430 Q(PSF) = 44.046 PO/PSF = 2116.4

SECTION ( 1 ) MAIN LND GR DR-0 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7412 | -.7614 | -.7530 | -.7412 |
| .230 | -.9022 | -.7848 | -.8150 | -.8402 |
| .410 | -.8855 | -.7798 | -.6205 | -.7312 |
| .590 | -.8301 | -.8519 | -.2063 | -.2750 |
| .770 | -.6289 | -.8251 | -.0771 | -.0134 |
| .878 | -.4964 | -.8066 | -.1274 | -.0419 |

BETA ( 5 ) = 10.070 ALPHA ( 4 ) = 15.660 Q(PSF) = 44.046 PO/PSF = 2116.4

SECTION ( 1 ) MAIN LND GR DR-0 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7329 | -.7547 | -.7648 | -.7430 |
| .230 | -.7731 | -.8402 | -.7849 | -.8302 |
| .410 | -.7631 | -.9073 | -.5853 | -.6826 |
| .590 | -.6524 | -.9107 | -.3539 | -.5115 |
| .770 | -.4998 | -.8033 | -.3337 | -.2130 |
| .878 | -.3908 | -.7245 | -.3220 | -.1828 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP+SS MAIN GEAR DOOR OUTER SURFACE

(RFFM31)

BETA ( 5 ) = 10.070 ALPHA ( 5 ) = 20.900 Q(PSF) = 44.046 PO/PSF = 2116.4

SECTION ( 1 ) MAIN LND GR DR-O

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |         |
|------|--------|--------|--------|---------|
| .050 | -.6562 | -.6913 | -.8269 | -.8604  |
| .230 | -.6294 | -.7382 | -.8202 | -.9609  |
| .410 | -.5892 | -.8621 | -.8186 | -1.0211 |
| .590 | -.4654 | -.8671 | -.6177 | -.4687  |
| .770 | -.2879 | -.7165 | -.4838 | -.2913  |
| .878 | -.2126 | -.6060 | -.4218 | -.2494  |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF01) ( 03 FEB 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0405

## PARAMETRIC DATA

MACH = .170 ELEVON = .000  
 BDFLAP = .000 SPDRK = 25.000  
 PHI-N = .000 THETAN = .000  
 PHI-M = .000 THETAM = .000

BETA ( 1 ) = -10.120 ALPHA ( 1 ) = .010 Q(PSF) = 42.852 PO/PSF = 2113.5 RUN NO = 5.0000

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

## X/CML

.050 -.1699 -.1699 -.1414 -.1665  
 .230 -.1667 -.1688 -.1329 -.1665  
 .410 -.1699 -.1709 -.1709 -.1682  
 .590 -.1709 -.1720 -.1699 -.1665  
 .770 -.1709 -.1688 -.1709 -.1688  
 .878 -.1688 -.1677 -.1709 -.1445

BETA ( 1 ) = -10.120 ALPHA ( 2 ) = 2.090 Q(PSF) = 42.852 PO/PSF = 2113.5 RUN NO = 5.0000

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

## X/CML

.050 -.1179 -.1158 -.1316 -.1160  
 .230 -.1179 -.1169 -.0990 -.1126  
 .410 -.1169 -.1169 -.1169 -.1160  
 .590 -.1200 -.1179 -.1179 -.1160  
 .770 -.1169 -.1179 -.1200 -.1169  
 .878 -.1200 -.1158 -.1179 -.1326

BETA ( 1 ) = -10.120 ALPHA ( 3 ) = 4.220 Q(PSF) = 42.852 PO/PSF = 2113.5 RUN NO = 5.0000

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

## X/CML

.050 -.0673 -.0684 -.0705 -.0642  
 .230 -.0673 -.0663 -.0516 -.0625  
 .410 -.0684 -.0663 -.0673 -.0642  
 .590 -.0673 -.0673 -.0663 -.0659  
 .770 -.0684 -.0663 -.0684 -.0644  
 .878 -.0694 -.0673 -.0684 -.0905

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF01)

BETA ( 1 ) = -10.120 ALPHA ( 4 ) = 6.200 Q(PSF) = 42.852 PO/PSF = 2113.5 RUN NO = 5.0000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0221 | -.0200 | -.0221 | -.0176 |
| .230 | -.0210 | -.0210 | -.0053 | -.0193 |
| .410 | -.0200 | -.0210 | -.0200 | -.0193 |
| .590 | -.0221 | -.0189 | -.0189 | -.0193 |
| .770 | -.0221 | -.0189 | -.0221 | -.0231 |
| .878 | -.0231 | -.0210 | -.0210 | -.0442 |

BETA ( 1 ) = -10.120 ALPHA ( 5 ) = 8.310 Q(PSF) = 42.852 PO/PSF = 2113.5 RUN NO = 5.0000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .0241 | .0251 | .0209 | .0254 |
| .230 | .0251 | .0230 | .0378 | .0271 |
| .410 | .0241 | .0251 | .0251 | .0288 |
| .590 | .0241 | .0241 | .0262 | .0254 |
| .770 | .0230 | .0251 | .0251 | .0199 |
| .878 | .0209 | .0262 | .0241 | .0000 |

BETA ( 1 ) = -10.120 ALPHA ( 6 ) = 10.330 Q(PSF) = 42.852 PO/PSF = 2113.5 RUN NO = 5.0000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .0693 | .0683 | .0619 | .0702 |
| .230 | .0683 | .0672 | .0788 | .0685 |
| .410 | .0704 | .0683 | .0683 | .0702 |
| .590 | .0704 | .0683 | .0693 | .0720 |
| .770 | .0662 | .0672 | .0683 | .0651 |
| .878 | .0672 | .0672 | .0672 | .0462 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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CA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF01)

BETA ( 2 ) = -5.090 ALPHA ( 1 ) = .010 Q(PSF) = 42.905 PO/PSF = 2113.3 RUN NO = 4.0000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1469 | -.1459 | -.1144 | -.1449 |
| .230 | -.1459 | -.1459 | -.1112 | -.1449 |
| .410 | -.1448 | -.1448 | -.1459 | -.1432 |
| .590 | -.1480 | -.1469 | -.1448 | -.1432 |
| .770 | -.1480 | -.1459 | -.1469 | -.1459 |
| .878 | -.1448 | -.1469 | -.1469 | -.1291 |

BETA ( 2 ) = -5.090 ALPHA ( 2 ) = 2.050 Q(PSF) = 42.905 PO/PSF = 2113.3 RUN NO = 4.0000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0997 | -.0997 | -.1060 | -.0985 |
| .230 | -.0997 | -.1008 | -.0808 | -.0968 |
| .410 | -.1018 | -.1008 | -.0997 | -.0968 |
| .590 | -.1008 | -.1008 | -.0987 | -.0968 |
| .770 | -.0997 | -.1008 | -.1008 | -.1008 |
| .878 | -.1008 | -.0997 | -.1008 | -.1165 |

BETA ( 2 ) = -5.090 ALPHA ( 3 ) = 4.120 Q(PSF) = 42.905 PO/PSF = 2113.3 RUN NO = 4.0000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0567 | -.0567 | -.0672 | -.0537 |
| .230 | -.0577 | -.0556 | -.0441 | -.0537 |
| .410 | -.0567 | -.0567 | -.0567 | -.0520 |
| .590 | -.0556 | -.0567 | -.0567 | -.0537 |
| .770 | -.0577 | -.0567 | -.0567 | -.0588 |
| .878 | -.0577 | -.0577 | -.0556 | -.0913 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF01)

BETA ( 2 ) = -5.090 ALPHA ( 4 ) = 6.220 Q(PSF) = 42.905 PO/PSF = 2113.3 RUN NO = 4.0000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0137 | -.0137 | -.0189 | -.0107 |
| .230 | -.0116 | -.0126 | .0010  | -.0090 |
| .410 | -.0126 | -.0126 | -.0116 | -.0090 |
| .590 | -.0137 | -.0147 | -.0126 | -.0090 |
| .770 | -.0126 | -.0126 | -.0137 | -.0147 |
| .878 | -.0105 | -.0126 | -.0137 | -.0421 |

BETA ( 2 ) = -5.090 ALPHA ( 5 ) = 8.280 Q(PSF) = 42.905 PO/PSF = 2113.3 RUN NO = 4.0000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .0326 | .0305 | .0231 | .0306 |
| .230 | .0305 | .0305 | .0431 | .0324 |
| .410 | .0315 | .0315 | .0305 | .0358 |
| .590 | .0315 | .0305 | .0315 | .0341 |
| .770 | .0315 | .0305 | .0336 | .0273 |
| .878 | .0294 | .0315 | .0315 | .0041 |

BETA ( 2 ) = -5.090 ALPHA ( 6 ) = 10.320 Q(PSF) = 42.905 PO/PSF = 2113.3 RUN NO = 4.0000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .0735 | .0735 | .0651 | .0737 |
| .230 | .0724 | .0714 | .0919 | .0719 |
| .410 | .0724 | .0735 | .0724 | .0719 |
| .590 | .0724 | .0724 | .0714 | .0719 |
| .770 | .0714 | .0724 | .0724 | .0672 |
| .878 | .0703 | .0724 | .0714 | .0430 |



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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF01)

BETA ( 3 ) = .000 ALPHA ( 1 ) = .000 Q(PSF) = 42.898 PO/PSF = 2113.3 RUN NO = 1.0000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1250 | -.1271 | -.1187 | -.1227 |
| .230 | -.1250 | -.1261 | -.0987 | -.1227 |
| .410 | -.1250 | -.1250 | -.1261 | -.1210 |
| .590 | -.1261 | -.1240 | -.1250 | -.1210 |
| .770 | -.1261 | -.1261 | -.1261 | -.1261 |
| .878 | -.1261 | -.1261 | -.1271 | -.1250 |

BETA ( 3 ) = .000 ALPHA ( 2 ) = 2.05% Q(PSF) = 42.898 PO/PSF = 2113.3 RUN NO = 1.0000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0841 | -.0841 | -.1114 | -.0831 |
| .230 | -.0841 | -.0820 | -.0736 | -.0831 |
| .410 | -.0841 | -.0851 | -.0841 | -.0814 |
| .590 | -.0851 | -.0841 | -.0851 | -.0814 |
| .770 | -.0841 | -.0841 | -.0851 | -.0851 |
| .878 | -.0841 | -.0841 | -.0830 | -.1114 |

BETA ( 3 ) = .000 ALPHA ( 3 ) = 4.130 Q(PSF) = 42.898 PO/PSF = 2113.3 RUN NO = 1.0000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0452 | -.0463 | -.0568 | -.0435 |
| .230 | -.0431 | -.0452 | -.0326 | -.0418 |
| .410 | -.0442 | -.0452 | -.0463 | -.0435 |
| .590 | -.0452 | -.0463 | -.0452 | -.0418 |
| .770 | -.0473 | -.0463 | -.0463 | -.0452 |
| .878 | -.0452 | -.0452 | -.0463 | -.0863 |

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0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF01)

BETA ( 3 ) = .000 ALPHA ( 4 ) = 6.190 Q(PSF) = 42.898 PO/PSF = 2113.3 RUN NO = 1.0000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0063 | -.0063 | -.0179 | -.0038 |
| .230 | -.0042 | -.0074 | .0010  | -.0055 |
| .410 | -.0074 | -.0063 | -.0063 | -.0055 |
| .590 | -.0063 | -.0074 | -.0053 | -.0055 |
| .770 | -.0063 | -.0074 | -.0084 | -.0095 |
| .878 | -.0063 | -.0063 | -.0074 | -.0453 |

BETA ( 3 ) = .000 ALPHA ( 5 ) = 8.300 Q(PSF) = 42.898 PO/PSF = 2113.3 RUN NO = 1.0000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |        |
|------|-------|-------|-------|--------|
| .050 | .0335 | .0346 | .0188 | .0340  |
| .230 | .0335 | .0335 | .0377 | .0357  |
| .410 | .0325 | .0335 | .0325 | .0357  |
| .590 | .0325 | .0325 | .0314 | .0357  |
| .770 | .0325 | .0335 | .0314 | .0272  |
| .878 | .0304 | .0304 | .0325 | -.0042 |

BETA ( 3 ) = .000 ALPHA ( 6 ) = 10.350 Q(PSF) = 42.898 PO/PSF = 2113.3 RUN NO = 1.0000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .0682 | .0692 | .0514 | .0684 |
| .230 | .0682 | .0671 | .0703 | .0684 |
| .410 | .0682 | .0692 | .0682 | .0702 |
| .590 | .0682 | .0703 | .0682 | .0702 |
| .770 | .0682 | .0661 | .0682 | .0629 |
| .878 | .0650 | .0682 | .0682 | .0293 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF01)

BETA ( 4 ) = 4.970 ALPHA ( 1 ) = .010 Q(PSF) = 42.888 PO/PSF = 2113.4 RUN NO = 3.0000

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1113 | -.1124 | -.0850 | -.1089 |
| .230 | -.1124 | -.1113 | -.0798 | -.1089 |
| .410 | -.1124 | -.1124 | -.1113 | -.1089 |
| .590 | -.1113 | -.1124 | -.1124 | -.1071 |
| .770 | -.1113 | -.1103 | -.1124 | -.1124 |
| .878 | -.1113 | -.1113 | -.1124 | -.0977 |

BETA ( 4 ) = 4.970 ALPHA ( 2 ) = 2.060 Q(PSF) = 42.888 PO/PSF = 2113.4 RUN NO = 3.0000

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0769 | -.0769 | -.0790 | -.0763 |
| .230 | -.0769 | -.0769 | -.0590 | -.0746 |
| .410 | -.0779 | -.0769 | -.0748 | -.0763 |
| .590 | -.0758 | -.0769 | -.0769 | -.0746 |
| .770 | -.0758 | -.0779 | -.0769 | -.0779 |
| .878 | -.0779 | -.0769 | -.0758 | -.0874 |

BETA ( 4 ) = 4.970 ALPHA ( 3 ) = 4.150 Q(PSF) = 42.888 PO/PSF = 2113.4 RUN NO = 3.0000

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0410 | -.0410 | -.0578 | -.0400 |
| .230 | -.0420 | -.0410 | -.0284 | -.0400 |
| .410 | -.0410 | -.0420 | -.0410 | -.0417 |
| .590 | -.0431 | -.0420 | -.0420 | -.0417 |
| .770 | -.0431 | -.0431 | -.0420 | -.0452 |
| .878 | -.0420 | -.0410 | -.0410 | -.0683 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF01)

BETA ( 4 ) = 4.970 ALPHA ( 4 ) = 6.200 Q(PSF) = 42.888 PO/PSF = 2113.4 RUN NO = 3.0000

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0105 | -.0095 | -.0232 | -.0090 |
| .230 | -.0095 | -.0126 | .0031  | -.0090 |
| .410 | -.0116 | -.0095 | -.0105 | -.0090 |
| .590 | -.0126 | -.0084 | -.0095 | -.0073 |
| .770 | -.0116 | -.0095 | -.0095 | -.0116 |
| .878 | -.0105 | -.0074 | -.0095 | -.0411 |

BETA ( 4 ) = 4.970 ALPHA ( 5 ) = 8.250 Q(PSF) = 42.888 PO/PSF = 2113.4 RUN NO = 3.0000

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |        |
|------|-------|-------|-------|--------|
| .050 | .0199 | .0199 | .0094 | .0219  |
| .230 | .0209 | .0220 | .0314 | .0237  |
| .410 | .0209 | .0199 | .0209 | .0219  |
| .590 | .0209 | .0199 | .0209 | .0237  |
| .770 | .0199 | .0220 | .0209 | .0188  |
| .878 | .0188 | .0220 | .0230 | -.0158 |

BETA ( 4 ) = 4.970 ALPHA ( 6 ) = 10.330 Q(PSF) = 42.888 PO/PSF = 2113.4 RUN NO = 3.0000

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .0546 | .0535 | .0388 | .0564 |
| .230 | .0535 | .0535 | .0619 | .0547 |
| .410 | .0535 | .0546 | .0535 | .0547 |
| .590 | .0525 | .0546 | .0546 | .0564 |
| .770 | .0525 | .0546 | .0535 | .0514 |
| .878 | .0525 | .0546 | .0535 | .0157 |

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OF POOR QUALITY

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF01)

BETA ( 5 ) = 10.040 ALPHA ( 1 ) = .020 Q(PSF) = 42.853 PO/PSF = 2113.4 RUN NO = 2.0000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1043 | -.1032 | -.0916 | -.1023 |
| .230 | -.1043 | -.1043 | -.0769 | -.1023 |
| .410 | -.1043 | -.1043 | -.1021 | -.1023 |
| .590 | -.1053 | -.1032 | -.1032 | -.1023 |
| .770 | -.1043 | -.1011 | -.1043 | -.1043 |
| .878 | -.1032 | -.1032 | -.1032 | -.1000 |

BETA ( 5 ) = 10.040 ALPHA ( 2 ) = 2.108 Q(PSF) = 42.853 PO/PSF = 2113.4 RUN NO = 2.0000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0746 | -.0757 | -.0883 | -.0710 |
| .230 | -.0746 | -.0746 | -.0610 | -.0710 |
| .410 | -.0746 | -.0757 | -.0757 | -.0693 |
| .590 | -.0767 | -.0746 | -.0746 | -.0710 |
| .770 | -.0767 | -.0736 | -.0736 | -.0778 |
| .878 | -.0767 | -.0746 | -.0736 | -.0914 |

BETA ( 5 ) = 10.040 ALPHA ( 3 ) = 4.150 Q(PSF) = 42.853 PO/PSF = 2113.4 RUN NO = 2.0000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0485 | -.0496 | -.0749 | -.0438 |
| .230 | -.0485 | -.0475 | -.0380 | -.0453 |
| .410 | -.0485 | -.0475 | -.0485 | -.0453 |
| .590 | -.0506 | -.0485 | -.0475 | -.0436 |
| .770 | -.0496 | -.0485 | -.0485 | -.0496 |
| .878 | -.0475 | -.0496 | -.0464 | -.0728 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF01)

BETA ( 5 ) = 10.040 ALPHA ( 4 ) = 6.200 Q(PSF) = 42.853 PO/PSF = 2113.4 RUN NO = 2.0000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0220 | -.0231 | -.0567 | -.0210 |
| .230 | -.0231 | -.0220 | -.0136 | -.0210 |
| .410 | -.0231 | -.0231 | -.0210 | -.0227 |
| .590 | -.0231 | -.0220 | -.0220 | -.0210 |
| .770 | -.0241 | -.0220 | -.0231 | -.0241 |
| .878 | -.0231 | -.0231 | -.0231 | -.0493 |

BETA ( 5 ) = 10.040 ALPHA ( 5 ) = 8.250 Q(PSF) = 42.853 PO/PSF = 2113.4 RUN NO = 2.0000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |        |        |
|------|-------|-------|--------|--------|
| .050 | .0031 | .0020 | -.0337 | .0065  |
| .230 | .0020 | .0031 | .0083  | .0065  |
| .410 | .0031 | .0020 | .0031  | .0030  |
| .590 | .0010 | .0020 | .0020  | .0065  |
| .770 | .0020 | .0010 | .0031  | .0010  |
| .878 | .0020 | .0020 | .0020  | -.0242 |

BETA ( 5 ) = 10.040 ALPHA ( 6 ) = 10.370 Q(PSF) = 42.853 PO/PSF = 2113.4 RUN NO = 2.0000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |        |       |
|------|-------|-------|--------|-------|
| .050 | .0252 | .0283 | -.0095 | .0289 |
| .230 | .0273 | .0252 | .0304  | .0306 |
| .410 | .0252 | .0273 | .0252  | .0289 |
| .590 | .0262 | .0283 | .0273  | .0289 |
| .770 | .0273 | .0273 | .0283  | .0273 |
| .878 | .0252 | .0283 | .0262  | .0031 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF02) ( 03 FEB 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0405

## PARAMETRIC DATA

MACH = .170 ELEVON = .000  
 BDFLAP = .000 SPDBRK = 25.000  
 PHI-N = .260 THETAN = .000  
 PHI-M = .230 THETAM = .000

BETA ( 1 ) = -10.050 ALPHA ( 1 ) = .040 Q(PSF) = 42.872 PO/PSF = 2110.0 RUN NO = 10.000

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

## X/CML

.050 -.1641 -.1641 -.1325 -.1591  
 .230 -.1031 -.1641 -.1231 -.1608  
 .410 -.1652 -.1641 -.1641 -.1608  
 .590 -.1641 -.1631 -.1631 -.1591  
 .770 -.1662 -.1631 -.1662 -.1652  
 .878 -.1641 -.1641 -.1641 -.1231

BETA ( 1 ) = -10.050 ALPHA ( 2 ) = 2.030 Q(PSF) = 42.872 PO/PSF = 2110.0 RUN NO = 10.000

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

## X/CML

.050 -.1160 -.1149 -.1097 -.1093  
 .230 -.1149 -.1149 -.0875 -.1093  
 .410 -.1160 -.1149 -.1139 -.1093  
 .590 -.1160 -.1149 -.1139 -.1093  
 .770 -.1160 -.1139 -.1128 -.1149  
 .878 -.1170 -.1118 -.1128 -.1181

BETA ( 1 ) = -10.050 ALPHA ( 3 ) = 4.170 Q(PSF) = 42.872 PO/PSF = 2110.0 RUN NO = 10.000

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

## X/CML

.050 -.0654 -.0654 -.0548 -.0643  
 .230 -.0632 -.0654 -.0390 -.0643  
 .410 -.0654 -.0643 -.0643 -.0626  
 .590 -.0654 -.0654 -.0643 -.0626  
 .770 -.0643 -.0632 -.0632 -.0654  
 .878 -.0685 -.0643 -.0643 -.0696

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF02)

BETA ( 1 ) = -10.050 ALPHA ( 4 ) = 6.240 Q(PSF) = 42.872 PO/PSF = 2110.0 RUN NO = 10.000

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0179 | -.0200 | -.0084 | -.0176 |
| .230 | -.0179 | -.0200 | .0052  | -.0159 |
| .410 | -.0189 | -.0168 | -.0189 | -.0159 |
| .590 | -.0168 | -.0179 | -.0168 | -.0142 |
| .770 | -.0179 | -.0168 | -.0168 | -.0211 |
| .878 | -.0189 | -.0168 | -.0168 | -.0242 |

BETA ( 1 ) = -10.050 ALPHA ( 5 ) = 8.270 Q(PSF) = 42.872 PO/PSF = 2110.0 RUN NO = 10.000

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .0230 | .0251 | .0293 | .0288 |
| .230 | .0251 | .0251 | .0450 | .0271 |
| .410 | .0262 | .0262 | .0251 | .0271 |
| .590 | .0272 | .0251 | .0262 | .0322 |
| .770 | .0272 | .0241 | .0241 | .0230 |
| .878 | .0241 | .0251 | .0272 | .0115 |

BETA ( 1 ) = -10.050 ALPHA ( 6 ) = 10.340 Q(PSF) = 42.872 PO/PSF = 2110.0 RUN NO = 10.000

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .0702 | .0712 | .0712 | .0735 |
| .230 | .0702 | .0712 | .0869 | .0735 |
| .410 | .0722 | .0702 | .0702 | .0735 |
| .590 | .0702 | .0702 | .0681 | .0735 |
| .770 | .0702 | .0712 | .0702 | .0649 |
| .878 | .0681 | .0702 | .0702 | .0513 |



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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF02)

BETA ( 2 ) = -5.030 ALPHA ( 1 ) = .010 Q(PSF) = 42.868 PO/PSF = 2109.9 RUN NO = 9.0000

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1386 | -.1397 | -.0966 | -.1364 |
| .230 | -.1386 | -.1386 | -.0977 | -.1399 |
| .410 | -.1397 | -.1386 | -.1397 | -.1364 |
| .590 | -.1397 | -.1386 | -.1397 | -.1382 |
| .770 | -.1397 | -.1407 | -.1376 | -.1407 |
| .878 | -.1407 | -.1386 | -.1386 | -.0977 |

BETA ( 2 ) = -5.030 ALPHA ( 2 ) = 2.090 Q(PSF) = 42.868 PO/PSF = 2109.9 RUN NO = 9.0000

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0938 | -.0928 | -.0896 | -.0920 |
| .230 | -.0938 | -.0938 | -.0685 | -.0920 |
| .410 | -.0949 | -.0938 | -.0949 | -.0937 |
| .590 | -.0949 | -.0949 | -.0938 | -.0920 |
| .770 | -.0970 | -.0928 | -.0928 | -.0938 |
| .878 | -.0959 | -.0938 | -.0949 | -.0936 |

BETA ( 2 ) = -5.030 ALPHA ( 3 ) = 4.150 Q(PSF) = 42.868 PO/PSF = 2109.9 RUN NO = 9.0000

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0494 | -.0505 | -.0515 | -.0452 |
| .230 | -.0494 | -.0484 | -.0273 | -.0452 |
| .410 | -.0505 | -.0505 | -.0505 | -.0452 |
| .590 | -.0473 | -.0494 | -.0505 | -.0469 |
| .770 | -.0484 | -.0494 | -.0484 | -.0484 |
| .878 | -.0526 | -.0484 | -.0484 | -.0662 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF02)

BETA ( 2 ) = -5.030 ALPHA ( 4 ) = 6.190 Q(PSF) = 42.868 PO/PSF = 2109.9 RUN NO = 9.0000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0074 | -.0084 | -.0031 | -.0038 |
| .230 | -.0084 | -.0074 | .0147  | -.0055 |
| .410 | -.0063 | -.0074 | -.0074 | -.0055 |
| .590 | -.0074 | -.0074 | -.0084 | -.0038 |
| .770 | -.0074 | -.0063 | -.0063 | -.0084 |
| .878 | -.0074 | -.0063 | -.0053 | -.0242 |

BETA ( 2 ) = -5.030 ALPHA ( 5 ) = 8.260 Q(PSF) = 42.868 PO/PSF = 2109.9 RUN NO = 9.0000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .0347 | .0336 | .0326 | .0341 |
| .230 | .0347 | .0347 | .0516 | .0376 |
| .410 | .0336 | .0347 | .0357 | .0358 |
| .590 | .0347 | .0357 | .0357 | .0376 |
| .770 | .0357 | .0336 | .0368 | .0326 |
| .878 | .0326 | .0357 | .0357 | .0168 |

BETA ( 2 ) = -5.030 ALPHA ( 6 ) = 10.430 Q(PSF) = 42.868 PO/PSF = 2109.9 RUN NO = 9.0000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .0786 | .0786 | .0817 | .0821 |
| .230 | .0765 | .0786 | .0964 | .0804 |
| .410 | .0796 | .0796 | .0796 | .0838 |
| .590 | .0796 | .0796 | .0796 | .0821 |
| .770 | .0786 | .0796 | .0796 | .0744 |
| .878 | .0765 | .0796 | .0786 | .0660 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF02)

BETA ( 3 ) = .010 ALPHA ( 1 ) = .030 Q(PSF) = 42.880 PO/PSF = 2109.9 RUN NO = 8.0000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1199 | -.1199 | -.0904 | -.1193 |
| .230 | -.1188 | -.1188 | -.0788 | -.1193 |
| .410 | -.1199 | -.1188 | -.1178 | -.1159 |
| .590 | -.1199 | -.1178 | -.1199 | -.1159 |
| .770 | -.1199 | -.1188 | -.1188 | -.1188 |
| .878 | -.1178 | -.1178 | -.1188 | -.0778 |

BETA ( 3 ) = .010 ALPHA ( 2 ) = 2.050 Q(PSF) = 42.880 PO/PSF = 2109.9 RUN NO = 8.0000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0799 | -.0809 | -.0820 | -.0728 |
| .230 | -.0799 | -.0788 | -.0546 | -.0728 |
| .410 | -.0809 | -.0788 | -.0788 | -.0728 |
| .590 | -.0809 | -.0778 | -.0788 | -.0728 |
| .770 | -.0799 | -.0778 | -.0778 | -.0788 |
| .878 | -.0788 | -.0788 | -.0767 | -.0735 |

BETA ( 3 ) = .010 ALPHA ( 3 ) = 4.200 Q(PSF) = 42.880 PO/PSF = 2109.9 RUN NO = 8.0000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0399 | -.0399 | -.0441 | -.0365 |
| .230 | -.0367 | -.0357 | -.0168 | -.0382 |
| .410 | -.0378 | -.0378 | -.0378 | -.0365 |
| .590 | -.0378 | -.0367 | -.0367 | -.0348 |
| .770 | -.0378 | -.0378 | -.0367 | -.0388 |
| .878 | -.0399 | -.0378 | -.0357 | -.0525 |

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF02)

BETA ( 3 ) = .010 ALPHA ( 4 ) = 6.190 Q(PSF) = 42.880 PO/PSF = 2109.9 RUN NO = 8.0000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0021 | -.0010 | .0020  | -.0004 |
| .230 | -.0010 | -.0010 | .0189  | -.0004 |
| .410 | .0010  | .0000  | .0000  | -.0004 |
| .590 | -.0021 | .0000  | -.0021 | -.0004 |
| .770 | .0000  | .0000  | -.0010 | .0000  |
| .878 | -.0021 | -.0010 | .0010  | -.0147 |

BETA ( 3 ) = .010 ALPHA ( 5 ) = 8.290 Q(PSF) = 42.880 PO/PSF = 2109.9 RUN NO = 8.0000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .0389 | .0357 | .0410 | .0358 |
| .230 | .0368 | .0378 | .0557 | .0375 |
| .410 | .0378 | .0368 | .0389 | .0410 |
| .590 | .0368 | .0378 | .0378 | .0393 |
| .770 | .0378 | .0378 | .0378 | .0368 |
| .878 | .0357 | .0389 | .0393 | .0220 |

BETA ( 3 ) = .010 ALPHA ( 6 ) = 10.320 Q(PSF) = 42.880 PO/PSF = 2109.9 RUN NO = 8.0000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .0715 | .0715 | .0726 | .0738 |
| .230 | .0726 | .0747 | .0884 | .0738 |
| .410 | .0726 | .0726 | .0736 | .0755 |
| .590 | .0726 | .0736 | .0736 | .0755 |
| .770 | .0726 | .0726 | .0726 | .0715 |
| .878 | .0705 | .0726 | .0726 | .0515 |

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OF POOR QUALITY

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF02)

BETA ( 4 ) = 5.040 ALPHA ( 1 ) = .030 Q(PSF) = 42.910 PO/PSF = 2109.8 RUN NO = 7.0000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1081 | -.1081 | -.0945 | -.1054 |
| .230 | -.1071 | -.1081 | -.0745 | -.1019 |
| .410 | -.1081 | -.1071 | -.1081 | -.1019 |
| .590 | -.1071 | -.1071 | -.1071 | -.1037 |
| .770 | -.1081 | -.1081 | -.1081 | -.1071 |
| .878 | -.1071 | -.1071 | -.1060 | -.0808 |

BETA ( 4 ) = 5.040 ALPHA ( 2 ) = 2.060 Q(PSF) = 42.910 PO/PSF = 2109.8 RUN NO = 7.0000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0714 | -.0735 | -.0693 | -.0710 |
| .230 | -.0714 | -.0714 | -.0494 | -.0710 |
| .410 | -.0725 | -.0714 | -.0714 | -.0693 |
| .590 | -.0714 | -.0725 | -.0714 | -.0710 |
| .770 | -.0735 | -.0714 | -.0725 | -.0735 |
| .878 | -.0714 | -.0725 | -.0725 | -.0746 |

BETA ( 4 ) = 5.040 ALPHA ( 3 ) = 4.110 Q(PSF) = 42.910 PO/PSF = 2109.8 RUN NO = 7.0000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0368 | -.0358 | -.0368 | -.0331 |
| .230 | -.0379 | -.0368 | -.0368 | -.1643 |
| .410 | -.0379 | -.0347 | -.0379 | -.0379 |
| .590 | -.0379 | -.0389 | -.0379 | -.0589 |
| .770 | -.0379 | -.0379 | -.0379 | -.0179 |
| .878 | -.0274 | -.0368 | -.0379 | -.0379 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF02)

BETA ( 4 ) = 5.040 ALPHA ( 4 ) = 6.180 Q(PSF) = 42.910 PO/PSF = 2109.8 RUN NO = 7.0000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0053 | -.0063 | -.0021 | -.0055 |
| .230 | -.0063 | -.0042 | .0147  | -.0055 |
| .410 | -.0063 | -.0063 | -.0042 | -.0055 |
| .590 | -.0063 | -.0042 | -.0053 | -.0055 |
| .770 | -.0053 | -.0042 | -.0063 | -.0063 |
| .878 | -.0053 | -.0032 | -.0053 | -.0316 |

BETA ( 4 ) = 5.040 ALPHA ( 5 ) = 8.250 Q(PSF) = 42.910 PO/PSF = 2109.8 RUN NO = 7.0000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .0251 | .0251 | .0293 | .0271 |
| .230 | .0251 | .0272 | .0451 | .0271 |
| .410 | .0251 | .0251 | .0251 | .0306 |
| .590 | .0262 | .0251 | .0272 | .0288 |
| .770 | .0251 | .0262 | .0251 | .0262 |
| .878 | .0251 | .0272 | .0272 | .0125 |

BETA ( 4 ) = 5.040 ALPHA ( 6 ) = 10.380 Q(PSF) = 42.910 PO/PSF = 2109.8 RUN NO = 7.0000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .0586 | .0586 | .0638 | .0580 |
| .230 | .0575 | .0575 | .0743 | .0580 |
| .410 | .0575 | .0575 | .0565 | .0614 |
| .590 | .0575 | .0575 | .0575 | .0597 |
| .770 | .0575 | .0596 | .0596 | .0575 |
| .878 | .0586 | .0596 | .0596 | .0429 |

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0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF02)

BETA ( 5 ) = 10.100 ALPHA ( 1 ) = .000 Q(PSF) = 42.815 PO/PSF = 2109.9 RUN NO = 6.0000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0990 | -.0990 | -.0800 | -.0971 |
| .230 | -.0979 | -.0990 | -.0674 | -.0971 |
| .410 | -.0969 | -.0979 | -.0979 | -.0936 |
| .590 | -.0969 | -.0969 | -.0969 | -.0936 |
| .770 | -.0990 | -.0979 | -.0969 | -.0990 |
| .878 | -.0969 | -.0969 | -.0969 | -.0748 |

BETA ( 5 ) = 10.100 ALPHA ( 2 ) = 2.050 Q(PSF) = 42.815 PO/PSF = 2109.9 RUN NO = 6.0000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0685 | -.0696 | -.0559 | -.0643 |
| .230 | -.0685 | -.0696 | -.0453 | -.0661 |
| .410 | -.0706 | -.0696 | -.0706 | -.0661 |
| .590 | -.0706 | -.0706 | -.0685 | -.0661 |
| .770 | -.0696 | -.0696 | -.0696 | -.0696 |
| .878 | -.0696 | -.0696 | -.0685 | -.0696 |

BETA ( 5 ) = 10.100 ALPHA ( 3 ) = 4.120 Q(PSF) = 42.815 PO/PSF = 2109.9 RUN NO = 6.0000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0432 | -.0422 | -.0348 | -.0349 |
| .230 | -.0432 | -.0422 | -.0211 | -.0367 |
| .410 | -.0422 | -.0422 | -.0422 | -.0367 |
| .590 | -.0432 | -.0400 | -.0411 | -.0367 |
| .770 | -.0432 | -.0411 | -.0432 | -.0422 |
| .878 | -.0422 | -.0422 | -.0411 | -.0559 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF02)

BETA ( 5 ) = 10.100 ALPHA ( 4 ) = 6.240 Q(PSF) = 42.815 PO/PSF = 2109.9 RUN NO = 6.0000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0158 | -.0179 | -.0095 | -.0142 |
| .230 | -.0158 | -.0158 | .0041  | -.0124 |
| .410 | -.0147 | -.0158 | -.0158 | -.0142 |
| .590 | -.0147 | -.0147 | -.0147 | -.0090 |
| .770 | -.0158 | -.0147 | -.0147 | -.0158 |
| .878 | -.0158 | -.0137 | -.0137 | -.0337 |

BETA ( 5 ) = 10.100 ALPHA ( 5 ) = 8.250 Q(PSF) = 42.815 PO/PSF = 2109.9 RUN NO = 6.0000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |        |
|------|-------|-------|-------|--------|
| .050 | .0084 | .0105 | .0136 | .0082  |
| .230 | .0083 | .0094 | .0263 | .0082  |
| .410 | .0083 | .0083 | .0094 | .0082  |
| .590 | .0083 | .0083 | .0094 | .0099  |
| .770 | .0062 | .0105 | .0094 | .0083  |
| .878 | .0083 | .0115 | .0094 | -.0084 |

BETA ( 5 ) = 10.090 ALPHA ( 5 ) = 10.340 Q(PSF) = 42.815 PO/PSF = 2109.9 RUN NO = 6.0000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .0357 | .0367 | .0367 | .0409 |
| .230 | .0346 | .0336 | .0504 | .0409 |
| .410 | .0346 | .0346 | .0357 | .0409 |
| .590 | .0346 | .0357 | .0346 | .0409 |
| .770 | .0367 | .0357 | .0367 | .0346 |
| .878 | .0346 | .0357 | .0357 | .0167 |



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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF03) ( 03 FEB 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0405

## PARAMETRIC DATA

MACH = .170 ELEVON = .000  
 BDFLAP = .000 SPDBRK = 25.000  
 PHI-N = 2.000 THETAN = .000  
 PHI-M = 2.000 THETAM = .000

BETA ( 1 ) = -10.040 ALPHA ( 1 ) = .000 Q(PSF) = 42.823 PO/PSF = 2110.0 RUN NO = 15.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.1824 -.1824 -.1244 -.1784  
 .230 -.1792 -.1824 -.1328 -.1784  
 .410 -.1855 -.1824 -.1845 -.1767  
 .590 -.1876 -.1824 -.1845 -.1784  
 .770 -.1855 -.1803 -.1803 -.1803  
 .878 -.1855 -.1792 -.1803 -.1128

BETA ( 1 ) = -10.040 ALPHA ( 2 ) = 2.050 Q(PSF) = 42.823 PO/PSF = 2110.0 RUN NO = 15.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.1414 -.1382 -.1203 -.1354  
 .230 -.1404 -.1361 -.1045 -.1371  
 .410 -.1361 -.1372 -.1361 -.1336  
 .590 -.1351 -.1382 -.1361 -.1354  
 .770 -.1361 -.1351 -.1340 -.1361  
 .878 -.1404 -.1372 -.1340 -.1161

BETA ( 1 ) = -10.040 ALPHA ( 3 ) = 4.100 Q(PSF) = 42.823 PO/PSF = 2110.0 RUN NO = 15.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.0969 -.0916 -.1116 -.0902  
 .230 -.0916 -.0916 -.0737 -.0919  
 .410 -.0905 -.0927 -.0916 -.0884  
 .590 -.0895 -.0905 -.0905 -.0884  
 .770 -.0916 -.0895 -.0916 -.0916  
 .878 -.0937 -.0916 -.0905 -.0990

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF03)

BETA ( 1 ) = -10.040 ALPHA ( 4 ) = 6.190 Q(PSF) = 42.823 PO/PSF = 2110.0 RUN NO = 15.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0526 | -.0494 | -.0400 | -.0470 |
| .230 | -.0484 | -.0473 | -.0263 | -.0435 |
| .410 | -.0484 | -.0473 | -.0484 | -.0435 |
| .590 | -.0463 | -.0421 | -.0473 | -.0435 |
| .770 | -.0463 | -.0484 | -.0484 | -.0473 |
| .878 | -.0505 | -.0473 | -.0463 | -.0610 |

BETA ( 1 ) = -10.040 ALPHA ( 5 ) = 8.250 Q(PSF) = 42.823 PO/PSF = 2110.0 RUN NO = 15.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0053 | -.0010 | .0031  | -.0038 |
| .230 | -.0010 | -.0010 | .0178  | -.0021 |
| .410 | -.0010 | -.0010 | .0000  | -.0021 |
| .590 | -.0010 | -.0010 | -.0021 | -.0021 |
| .770 | -.0010 | -.0010 | -.0010 | -.0042 |
| .878 | -.0032 | -.0032 | -.0021 | -.0190 |

BETA ( 1 ) = -10.040 ALPHA ( 6 ) = 10.310 Q(PSF) = 42.823 PO/PSF = 2110.0 RUN NO = 15.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .0398 | .0430 | .0472 | .0391 |
| .230 | .0430 | .0430 | .0598 | .0409 |
| .410 | .0419 | .0409 | .0430 | .0426 |
| .590 | .0430 | .0419 | .0440 | .0443 |
| .770 | .0419 | .0440 | .0440 | .0430 |
| .878 | .0419 | .0440 | .0430 | .0367 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF03)

BETA ( 2 ) = -5.020 ALPHA ( 1 ) = .000 Q(PSF) = 42.815 PO/PSF = 2109.9 RUN NO = 14.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1549 | -.1507 | -.1359 | -.1490 |
| .230 | -.1517 | -.1517 | -.1159 | -.1473 |
| .410 | -.1517 | -.1507 | -.1507 | -.1485 |
| .590 | -.1528 | -.1507 | -.1507 | -.1456 |
| .770 | -.1517 | -.1507 | -.1507 | -.1517 |
| .878 | -.1528 | -.1517 | -.1496 | -.0990 |

BETA ( 2 ) = -5.020 ALPHA ( 2 ) = 2.040 Q(PSF) = 42.815 PO/PSF = 2109.9 RUN NO = 14.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1157 | -.1136 | -.1063 | -.1091 |
| .230 | -.1126 | -.1115 | -.0863 | -.1091 |
| .410 | -.1115 | -.1115 | -.1105 | -.1073 |
| .590 | -.1115 | -.1105 | -.1115 | -.1073 |
| .770 | -.1115 | -.1115 | -.1105 | -.1115 |
| .878 | -.1136 | -.1105 | -.1105 | -.0978 |

BETA ( 2 ) = -5.020 ALPHA ( 3 ) = 4.080 Q(PSF) = 42.815 PO/PSF = 2109.9 RUN NO = 14.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0747 | -.0726 | -.0632 | -.0729 |
| .230 | -.0737 | -.0716 | -.0495 | -.0694 |
| .410 | -.0726 | -.0705 | -.0716 | -.0677 |
| .590 | -.0705 | -.0705 | -.0695 | -.0677 |
| .770 | -.0716 | -.0695 | -.0705 | -.0695 |
| .878 | -.0737 | -.0705 | -.0695 | -.0853 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF03)

BETA ( 2 ) = -5.020 ALPHA ( 4 ) = 6.170 Q(PSF) = 42.815 PO/PSF = 2109.9 RUN NO = 14.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0327 | -.0284 | -.0232 | -.0246 |
| .230 | -.0274 | -.0284 | -.0084 | -.0211 |
| .410 | -.0274 | -.0274 | -.0274 | -.0211 |
| .590 | -.0284 | -.0263 | -.0295 | -.0211 |
| .770 | -.0295 | -.0284 | -.0284 | -.0316 |
| .878 | -.0316 | -.0263 | -.0253 | -.0537 |

BETA ( 2 ) = -5.020 ALPHA ( 5 ) = 8.260 Q(PSF) = 42.815 PO/PSF = 2109.9 RUN NO = 14.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .0105 | .0136 | .0220 | .0151 |
| .230 | .0168 | .0157 | .0347 | .0151 |
| .410 | .0157 | .0157 | .0168 | .0168 |
| .590 | .0126 | .0168 | .0157 | .0186 |
| .770 | .0126 | .0157 | .0168 | .0115 |
| .878 | .0126 | .0168 | .0157 | .0052 |

BETA ( 2 ) = -5.020 ALPHA ( 6 ) = 10.300 Q(PSF) = 42.815 PO/PSF = 2109.9 RUN NO = 14.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .0526 | .0558 | .0610 | .0566 |
| .230 | .0568 | .0558 | .0737 | .0566 |
| .410 | .0579 | .0589 | .0579 | .0583 |
| .590 | .0547 | .0579 | .0579 | .0617 |
| .770 | .0536 | .0568 | .0568 | .0568 |
| .878 | .0515 | .0579 | .0579 | .0547 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF03)

BETA ( 3 ) = .010 ALPHA ( 1 ) = .000 Q(PSF) = 42.917 PO/PSF = 2109.9 RUN NO = 13.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1281 | -.1281 | -.1029 | -.1260 |
| .230 | -.1270 | -.1270 | -.0903 | -.1243 |
| .410 | -.1281 | -.1270 | -.1270 | -.1226 |
| .590 | -.1281 | -.1260 | -.1260 | -.1226 |
| .770 | -.1291 | -.1270 | -.1261 | -.1270 |
| .878 | -.1291 | -.1249 | -.1260 | -.0903 |

BETA ( 3 ) = .010 ALPHA ( 2 ) = 2.050 Q(PSF) = 42.917 PO/PSF = 2109.9 RUN NO = 13.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0959 | -.0927 | -.0779 | -.0885 |
| .230 | -.0927 | -.0916 | -.0664 | -.0919 |
| .410 | -.0938 | -.0916 | -.0895 | -.0885 |
| .590 | -.0938 | -.0916 | -.0895 | -.0885 |
| .770 | -.0948 | -.0927 | -.0927 | -.0906 |
| .878 | -.0959 | -.0916 | -.0906 | -.0885 |

BETA ( 3 ) = .010 ALPHA ( 3 ) = 4.090 Q(PSF) = 42.917 PO/PSF = 2109.9 RUN NO = 13.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0590 | -.0580 | -.0453 | -.0557 |
| .230 | -.0569 | -.0559 | -.0306 | -.0540 |
| .410 | -.0569 | -.0559 | -.0527 | -.0505 |
| .590 | -.0601 | -.0559 | -.0538 | -.0522 |
| .770 | -.0611 | -.0548 | -.0559 | -.0538 |
| .878 | -.0622 | -.0559 | -.0569 | -.0601 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF03)

BETA ( 3 ) = .010 ALPHA ( 4 ) = 6.160 Q(PSF) = 42.917 PO/PSF = 2109.9 RUN NO = 13.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0188 | -.0199 | -.0146 | -.0210 |
| .230 | -.0199 | -.0199 | .0010  | -.0175 |
| .410 | -.0188 | -.0178 | -.0188 | -.0141 |
| .590 | -.0220 | -.0188 | -.0188 | -.0158 |
| .770 | -.0220 | -.0188 | -.0188 | -.0188 |
| .878 | -.0241 | -.0188 | -.0209 | -.0262 |

BETA ( 3 ) = .010 ALPHA ( 5 ) = 8.250 Q(PSF) = 42.917 PO/PSF = 2109.9 RUN NO = 13.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .0198 | .0188 | .0230 | .0202 |
| .230 | .0198 | .0198 | .0356 | .0202 |
| .410 | .0177 | .0198 | .0209 | .0219 |
| .590 | .0156 | .0188 | .0209 | .0219 |
| .770 | .0146 | .0209 | .0177 | .0198 |
| .878 | .0146 | .0198 | .0209 | .0094 |

BETA ( 3 ) = .010 ALPHA ( 6 ) = 10.300 Q(PSF) = 42.917 PO/PSF = 2109.9 RUN NO = 13.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .0546 | .0557 | .0588 | .0599 |
| .230 | .0567 | .0557 | .0714 | .0582 |
| .410 | .0515 | .0578 | .0557 | .0599 |
| .590 | .0515 | .0567 | .0567 | .0599 |
| .770 | .0546 | .0567 | .0567 | .0567 |
| .878 | .0504 | .0578 | .0578 | .0399 |

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF03)

BETA ( 4 ) = 5.060 ALPHA ( 1 ) = -.010 Q(PSF) = 42.885 PO/PSF = 2109.8 RUN NO = 12.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1178 | -.1189 | -.0915 | -.1159 |
| .230 | -.1167 | -.1178 | -.0841 | -.1159 |
| .410 | -.1178 | -.1167 | -.1157 | -.1159 |
| .590 | -.1210 | -.1157 | -.1167 | -.1142 |
| .770 | -.1231 | -.1167 | -.1146 | -.1157 |
| .878 | -.1231 | -.1157 | -.1167 | -.0715 |

BETA ( 4 ) = 5.060 ALPHA ( 2 ) = 2.030 Q(PSF) = 42.885 PO/PSF = 2109.8 RUN NO = 12.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0859 | -.0849 | -.0702 | -.0829 |
| .230 | -.0849 | -.0859 | -.0597 | -.0846 |
| .410 | -.0891 | -.0838 | -.0838 | -.0829 |
| .590 | -.0870 | -.0849 | -.0828 | -.0829 |
| .770 | -.0870 | -.0838 | -.0849 | -.0849 |
| .878 | -.0880 | -.0849 | -.0849 | -.0723 |

BETA ( 4 ) = 5.060 ALPHA ( 3 ) = 4.090 Q(PSF) = 42.885 PO/PSF = 2109.8 RUN NO = 12.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0526 | -.0526 | -.0431 | -.0487 |
| .230 | -.0515 | -.0515 | -.0305 | -.0487 |
| .410 | -.0557 | -.0505 | -.0484 | -.0452 |
| .590 | -.0536 | -.0494 | -.0494 | -.0469 |
| .770 | -.0547 | -.0505 | -.0505 | -.0515 |
| .878 | -.0547 | -.0515 | -.0515 | -.0600 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF03)

BETA ( 4 ) = 5.060 ALPHA ( 4 ) = 6.160 Q(PSF) = 42.885 PO/PSF = 2109.8 RUN NO = 12.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0168 | -.0189 | -.0116 | -.0176 |
| .230 | -.0179 | -.0179 | .0010  | -.0159 |
| .410 | -.0210 | -.0168 | -.0158 | -.0142 |
| .590 | -.0221 | -.0168 | -.0179 | -.0142 |
| .770 | -.0231 | -.0189 | -.0168 | -.0179 |
| .878 | -.0221 | -.0179 | -.0179 | -.0326 |

BETA ( 4 ) = 5.060 ALPHA ( 5 ) = 8.250 Q(PSF) = 42.885 PO/PSF = 2109.8 RUN NO = 12.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |        |
|------|-------|-------|-------|--------|
| .050 | .0157 | .0146 | .0189 | .0151  |
| .230 | .0167 | .0157 | .0325 | .0168  |
| .410 | .0136 | .0178 | .0157 | .0185  |
| .590 | .0146 | .0167 | .0178 | .0185  |
| .770 | .0136 | .0178 | .0189 | .0178  |
| .878 | .0136 | .0178 | .0167 | -.0010 |

BETA ( 4 ) = 5.060 ALPHA ( 6 ) = 10.330 Q(PSF) = 42.885 PO/PSF = 2109.8 RUN NO = 12.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .0505 | .0515 | .0579 | .0514 |
| .230 | .0494 | .0505 | .0673 | .0531 |
| .410 | .0473 | .0515 | .0526 | .0514 |
| .590 | .0505 | .0515 | .0505 | .0531 |
| .770 | .0484 | .0505 | .0505 | .0505 |
| .878 | .0473 | .0515 | .0515 | .0284 |



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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF03)

BETA ( 5 ) = 10.110 ALPHA ( 1 ) = .000 Q(PSF) = 42.790 PO/PSF = 2109.9 RUN NO = 11.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1077 | -.1056 | -.0834 | -.1043 |
| .230 | -.1077 | -.1067 | -.0739 | -.1025 |
| .410 | -.1088 | -.1045 | -.1045 | -.1025 |
| .590 | -.1088 | -.1077 | -.1035 | -.1008 |
| .770 | -.1098 | -.1045 | -.1045 | -.1067 |
| .878 | -.1119 | -.1067 | -.1056 | -.0718 |

BETA ( 5 ) = 10.110 ALPHA ( 2 ) = 2.030 Q(PSF) = 42.790 PO/PSF = 2109.9 RUN NO = 11.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0780 | -.0790 | -.0622 | -.0764 |
| .230 | -.0780 | -.0769 | -.0516 | -.0747 |
| .410 | -.0801 | -.0769 | -.0769 | -.0747 |
| .590 | -.0780 | -.0769 | -.0780 | -.0730 |
| .770 | -.0801 | -.0769 | -.0769 | -.0759 |
| .878 | -.0811 | -.0769 | -.0769 | -.0717 |

BETA ( 5 ) = 10.110 ALPHA ( 3 ) = 4.080 Q(PSF) = 42.790 PO/PSF = 2109.9 RUN NO = 11.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0495 | -.0516 | -.0390 | -.0453 |
| .230 | -.0495 | -.0474 | -.0263 | -.0453 |
| .410 | -.0506 | -.0474 | -.0484 | -.0453 |
| .590 | -.0506 | -.0474 | -.0463 | -.0435 |
| .770 | -.0495 | -.0463 | -.0474 | -.0463 |
| .878 | -.0506 | -.0463 | -.0474 | -.0569 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF03)

BETA ( 5 ) = 10.110 ALPHA ( 4 ) = 6.220 Q(PSF) = 42.790 PO/PSF = 2109.9 RUN NO = 11.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0200 | -.0189 | -.0105 | -.0124 |
| .230 | -.0210 | -.0189 | .0000  | -.0107 |
| .410 | -.0221 | -.0168 | -.0189 | -.0124 |
| .590 | -.0210 | -.0179 | -.0179 | -.0142 |
| .770 | -.0200 | -.0179 | -.0179 | -.0179 |
| .878 | -.0210 | -.0179 | -.0189 | -.0337 |

BETA ( 5 ) = 10.110 ALPHA ( 5 ) = 8.250 Q(PSF) = 42.790 PO/PSF = 2109.9 RUN NO = 11.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |        |
|------|-------|-------|-------|--------|
| .050 | .0115 | .0115 | .0136 | .0151  |
| .230 | .0083 | .0104 | .0282 | .0168  |
| .410 | .0073 | .0115 | .0104 | .0168  |
| .590 | .0094 | .0125 | .0125 | .0151  |
| .770 | .0083 | .0104 | .0094 | .0104  |
| .878 | .0083 | .0104 | .0104 | -.0063 |

BETA ( 5 ) = 10.100 ALPHA ( 6 ) = 10.320 Q(PSF) = 42.790 PO/PSF = 2109.9 RUN NO = 11.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .0400 | .0400 | .0400 | .0411 |
| .230 | .0389 | .0400 | .0537 | .0445 |
| .410 | .0368 | .0410 | .0421 | .0462 |
| .590 | .0399 | .0421 | .0432 | .0445 |
| .770 | .0368 | .0421 | .0410 | .0400 |
| .878 | .0379 | .0410 | .0432 | .0178 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF04) ( 03 FEB 76 )

## REFERENCE DATA

SREF = 2650.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6300 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0405

## PARAMETRIC DATA

MACH = .170 ELEVON = .000  
 BDFLAP = .000 SPDRK = 25.000  
 PHI-N = 4.000 THETAN = .000  
 PHI-M = 4.000 THETAM = .000

BETA ( 1 ) = -10.030 ALPHA ( 1 ) = -.010 Q(PSF) = 42.878 PO/PSF = 2110.7 RUN NO = 20.000

## SECTION ( 1 ) MAIN LND GR DR-1

## DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

## X/CML

.050 -.2139 -.2013 -.1244 -.1991  
 .230 -.2024 -.1992 -.1486 -.1974  
 .410 -.1992 -.1960 -.1971 -.1974  
 .590 -.2024 -.1971 -.1981 -.1939  
 .770 -.2013 -.1960 -.1971 -.1950  
 .878 -.2024 -.1971 -.1971 -.1170

BETA ( 1 ) = -10.020 ALPHA ( 2 ) = 2.010 Q(PSF) = 42.878 PO/PSF = 2110.7 RUN NO = 20.000

## SECTION ( 1 ) MAIN LND GR DR-1

## DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

## X/CML

.050 -.1766 -.1608 -.1314 -.1555  
 .230 -.1629 -.1598 -.1272 -.1555  
 .410 -.1566 -.1566 -.1566 -.1520  
 .590 -.1608 -.1555 -.1555 -.1520  
 .770 -.1608 -.1566 -.1566 -.1555  
 .878 -.1619 -.1587 -.1576 -.1282

BETA ( 1 ) = -10.030 ALPHA ( 3 ) = 4.090 Q(PSF) = 42.878 PO/PSF = 2110.7 RUN NO = 20.000

## SECTION ( 1 ) MAIN LND GR DR-1

## DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

## X/CML

.050 -.1349 -.1180 -.1170 -.1127  
 .230 -.1201 -.1149 -.0917 -.1110  
 .410 -.1159 -.1149 -.1149 -.1110  
 .590 -.1180 -.1149 -.1159 -.1092  
 .770 -.1201 -.1149 -.1159 -.1159  
 .878 -.1201 -.1149 -.1149 -.1212

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF04)

BETA ( 1 ) = -10.020 ALPHA ( 4 ) = 6.150 Q(PSF) = 42.878 PO/PSF = 2110.7 RUN NO = 20.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0895 | -.0748 | -.0674 | -.0677 |
| .230 | -.0737 | -.0727 | -.0495 | -.0712 |
| .410 | -.0716 | -.0727 | -.0706 | -.0677 |
| .590 | -.0727 | -.0685 | -.0685 | -.0660 |
| .770 | -.0769 | -.0706 | -.0706 | -.0685 |
| .878 | -.0758 | -.0706 | -.0727 | -.0885 |

BETA ( 1 ) = -10.020 ALPHA ( 5 ) = 8.220 Q(PSF) = 42.878 PO/PSF = 2110.7 RUN NO = 20.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0440 | -.0293 | -.0199 | -.0227 |
| .230 | -.0272 | -.0272 | -.0073 | -.0244 |
| .410 | -.0283 | -.0262 | -.0241 | -.0227 |
| .590 | -.0314 | -.0262 | -.0262 | -.0193 |
| .770 | -.0304 | -.0272 | -.0272 | -.0251 |
| .878 | -.0325 | -.0272 | -.0283 | -.0409 |

BETA ( 1 ) = -10.020 ALPHA ( 6 ) = 10.290 Q(PSF) = 42.878 PO/PSF = 2110.7 RUN NO = 20.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |        |
|------|-------|-------|-------|--------|
| .050 | .0031 | .0178 | .0209 | .0237  |
| .230 | .0178 | .0199 | .0356 | .0237  |
| .410 | .0178 | .0199 | .0199 | .0271  |
| .590 | .0146 | .0199 | .0209 | .0254  |
| .770 | .0136 | .0209 | .0188 | .0199  |
| .878 | .0157 | .0199 | .0199 | -.0073 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF04)

BETA ( 2 ) = -5.020 ALPHA ( 1 ) = -.030 Q(PSF) = 42.912 PO/PSF = 2110.7 RUN NO = 19.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1801 | -.1686 | -.1309 | -.1600 |
| .230 | -.1675 | -.1644 | -.1235 | -.1618 |
| .410 | -.1665 | -.1654 | -.1623 | -.1600 |
| .590 | -.1707 | -.1633 | -.1623 | -.1600 |
| .770 | -.1717 | -.1644 | -.1633 | -.1623 |
| .878 | -.1717 | -.1633 | -.1633 | -.0942 |

BETA ( 2 ) = -5.020 ALPHA ( 2 ) = 2.040 Q(PSF) = 42.912 PO/PSF = 2110.7 RUN NO = 19.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1429 | -.1292 | -.1240 | -.1210 |
| .230 | -.1261 | -.1250 | -.1009 | -.1210 |
| .410 | -.1282 | -.1250 | -.1250 | -.1210 |
| .590 | -.1334 | -.1240 | -.1250 | -.1210 |
| .770 | -.1345 | -.1261 | -.1250 | -.1250 |
| .878 | -.1334 | -.1261 | -.1250 | -.1009 |

BETA ( 2 ) = -5.020 ALPHA ( 3 ) = 4.070 Q(PSF) = 42.912 PO/PSF = 2110.7 RUN NO = 19.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1019 | -.0903 | -.0851 | -.0813 |
| .230 | -.0861 | -.0851 | -.0641 | -.0796 |
| .410 | -.0882 | -.0840 | -.0830 | -.0762 |
| .590 | -.0914 | -.0851 | -.0851 | -.0779 |
| .770 | -.0924 | -.0851 | -.0840 | -.0840 |
| .878 | -.0924 | -.0861 | -.0851 | -.0914 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFF04)

BETA ( 2 ) = -5.020 ALPHA ( 4 ) = 6.140 Q(PSF) = 42.912 PO/PSF = 2110.7 RUN NO = 19.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0685 | -.0485 | -.0379 | -.0453 |
| .230 | -.0464 | -.0443 | -.0242 | -.0436 |
| .410 | -.0485 | -.0422 | -.0422 | -.0401 |
| .590 | -.0527 | -.0443 | -.0422 | -.0401 |
| .770 | -.0569 | -.0506 | -.0443 | -.0443 |
| .878 | -.0611 | -.0537 | -.0453 | -.0632 |

BETA ( 2 ) = -5.020 ALPHA ( 5 ) = 8.270 Q(PSF) = 42.912 PO/PSF = 2110.7 RUN NO = 19.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0168 | -.0010 | .0041  | -.0021 |
| .230 | .0010  | -.0021 | .0157  | -.0004 |
| .410 | -.0052 | .0000  | .0000  | .0030  |
| .590 | -.0116 | .0000  | -.0010 | .0030  |
| .770 | -.0095 | -.0021 | .0020  | .0000  |
| .878 | -.0105 | -.0021 | -.0021 | -.0189 |

BETA ( 2 ) = -5.020 ALPHA ( 6 ) = 10.300 Q(PSF) = 42.912 PO/PSF = 2110.7 RUN NO = 19.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .0252 | .0388 | .0451 | .0444 |
| .230 | .0430 | .0430 | .0588 | .0444 |
| .410 | .0367 | .0451 | .0430 | .0478 |
| .590 | .0367 | .0420 | .0430 | .0461 |
| .770 | .0325 | .0430 | .0430 | .0409 |
| .878 | .0325 | .0430 | .0420 | .0262 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF04)

BETA ( 3 ) = .000 ALPHA ( 1 ) = -.020 Q(PSF) = 42.893 PO/PSF = 2110.6 RUN NO = 18.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1499 | -.1384 | -.1080 | -.1328 |
| .230 | -.1342 | -.1353 | -.0996 | -.1293 |
| .410 | -.1384 | -.1353 | -.1353 | -.1276 |
| .590 | -.1447 | -.1342 | -.1342 | -.1276 |
| .770 | -.1457 | -.1353 | -.1342 | -.1332 |
| .878 | -.1468 | -.1374 | -.1353 | -.0986 |

BETA ( 3 ) = .000 ALPHA ( 2 ) = 2.010 Q(PSF) = 42.893 PO/PSF = 2110.6 RUN NO = 18.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1135 | -.1009 | -.0841 | -.0952 |
| .230 | -.0998 | -.0998 | -.0736 | -.0900 |
| .410 | -.1062 | -.0988 | -.0977 | -.0883 |
| .590 | -.1093 | -.1009 | -.0988 | -.0900 |
| .770 | -.1125 | -.0998 | -.0998 | -.0988 |
| .878 | -.1093 | -.0988 | -.1009 | -.0946 |

BETA ( 3 ) = .000 ALPHA ( 3 ) = 4.070 Q(PSF) = 42.893 PO/PSF = 2110.6 RUN NO = 18.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0800 | -.0684 | -.0516 | -.0608 |
| .230 | -.0642 | -.0653 | -.0400 | -.0591 |
| .410 | -.0695 | -.0632 | -.0632 | -.0591 |
| .590 | -.0726 | -.0632 | -.0621 | -.0573 |
| .770 | -.0747 | -.0642 | -.0642 | -.0632 |
| .878 | -.0769 | -.0653 | -.0653 | -.0758 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF04)

BETA ( 3 ) = .000 ALPHA ( 4 ) = 6.140 Q(PSF) = 42.893 PO/PSF = 2110.6 RUN NO = 18.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0390 | -.0274 | -.0200 | -.0246 |
| .230 | -.0242 | -.0263 | -.0063 | -.0228 |
| .410 | -.0316 | -.0232 | -.0232 | -.0194 |
| .590 | -.0337 | -.0242 | -.0263 | -.0194 |
| .770 | -.0337 | -.0242 | -.0263 | -.0253 |
| .878 | -.0348 | -.0253 | -.0253 | -.0401 |

BETA ( 3 ) = .000 ALPHA ( 5 ) = 8.240 Q(PSF) = 42.893 PO/PSF = 2110.6 RUN NO = 18.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |        |
|------|-------|-------|-------|--------|
| .050 | .0031 | .0157 | .0167 | .0168  |
| .230 | .0178 | .0136 | .0335 | .0168  |
| .410 | .0115 | .0146 | .0146 | .0168  |
| .590 | .0083 | .0136 | .0146 | .0185  |
| .770 | .0062 | .0146 | .0157 | .0146  |
| .878 | .0052 | .0125 | .0178 | -.0031 |

BETA ( 3 ) = .000 ALPHA ( 6 ) = 10.310 Q(PSF) = 42.893 PO/PSF = 2110.6 RUN NO = 18.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .0378 | .0462 | .0483 | .0495 |
| .230 | .0483 | .0483 | .0630 | .0513 |
| .410 | .0462 | .0493 | .0504 | .0547 |
| .590 | .0441 | .0504 | .0514 | .0530 |
| .770 | .0409 | .0504 | .0504 | .0504 |
| .878 | .0409 | .0493 | .0514 | .0241 |



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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF04)

BETA ( 4 ) = 5.050 ALPHA ( 1 ) = -.020 Q(PSF) = 42.915 PO/PSF = 2110.5 RUN NO = 17.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1272 | -.1198 | -.0925 | -.1141 |
| .230 | -.1156 | -.1177 | -.0841 | -.1158 |
| .410 | -.1209 | -.1145 | -.1166 | -.1124 |
| .590 | -.1240 | -.1156 | -.1166 | -.1124 |
| .770 | -.1251 | -.1166 | -.1156 | -.1145 |
| .878 | -.1272 | -.1156 | -.1166 | -.0736 |

BETA ( 4 ) = 5.050 ALPHA ( 2 ) = 2.010 Q(PSF) = 42.915 PO/PSF = 2110.5 RUN NO = 17.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0997 | -.0861 | -.0714 | -.0847 |
| .230 | -.0882 | -.0850 | -.0609 | -.0830 |
| .410 | -.0945 | -.0871 | -.0819 | -.0796 |
| .590 | -.0955 | -.0882 | -.0829 | -.0796 |
| .770 | -.0955 | -.0903 | -.0850 | -.0829 |
| .878 | -.0966 | -.0882 | -.0840 | -.0756 |

BETA ( 4 ) = 5.050 ALPHA ( 3 ) = 4.070 Q(PSF) = 42.915 PO/PSF = 2110.5 RUN NO = 17.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0631 | -.0525 | -.0420 | -.0521 |
| .230 | -.0525 | -.0525 | -.0305 | -.0486 |
| .410 | -.0578 | -.0494 | -.0494 | -.0486 |
| .590 | -.0568 | -.0494 | -.0494 | -.0486 |
| .770 | -.0589 | -.0494 | -.0494 | -.0504 |
| .878 | -.0578 | -.0494 | -.0494 | -.0641 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF04)

BETA ( 4 ) = 5.050 ALPHA ( 4 ) = 6.160 Q(PSF) = 42.915 PO/PSF = 2110.5 RUN NO = 17.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0316 | -.0179 | -.0126 | -.0125 |
| .230 | -.0169 | -.0169 | .0000  | -.0107 |
| .410 | -.0211 | -.0158 | -.0147 | -.0073 |
| .590 | -.0211 | -.0147 | -.0137 | -.0090 |
| .770 | -.0221 | -.0158 | -.0147 | -.0137 |
| .878 | -.0211 | -.0158 | -.0158 | -.0274 |

BETA ( 4 ) = 5.050 ALPHA ( 5 ) = 8.210 Q(PSF) = 42.915 PO/PSF = 2110.5 RUN NO = 17.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .0052 | .0188 | .0209 | .0220 |
| .230 | .0178 | .0209 | .0325 | .0237 |
| .410 | .0157 | .0220 | .0209 | .0254 |
| .590 | .0157 | .0209 | .0220 | .0271 |
| .770 | .0146 | .0220 | .0209 | .0220 |
| .878 | .0157 | .0209 | .0209 | .0062 |

BETA ( 4 ) = 5.050 ALPHA ( 6 ) = 10.290 Q(PSF) = 42.915 PO/PSF = 2110.5 RUN NO = 17.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .0418 | .0555 | .0586 | .0580 |
| .230 | .0513 | .0565 | .0680 | .0597 |
| .410 | .0502 | .0597 | .0565 | .0614 |
| .590 | .0502 | .0586 | .0586 | .0597 |
| .770 | .0523 | .0565 | .0576 | .0597 |
| .878 | .0523 | .0565 | .0576 | .0418 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF04)

BETA ( 5 ) = 10.080 ALPHA ( 1 ) = .000 Q(PSF) = 42.775 PO/PSF = 2110.7 RUN NO = 16.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1128 | -.1022 | -.0791 | -.1006 |
| .230 | -.1012 | -.1012 | -.0717 | -.0989 |
| .410 | -.1075 | -.1001 | -.0991 | -.0972 |
| .590 | -.1065 | -.0991 | -.0991 | -.0954 |
| .770 | -.1075 | -.1012 | -.1012 | -.0991 |
| .878 | -.1065 | -.1022 | -.1012 | -.0643 |

BETA ( 5 ) = 10.080 ALPHA ( 2 ) = 2.070 Q(PSF) = 42.775 PO/PSF = 2110.7 RUN NO = 16.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0838 | -.0687 | -.0539 | -.0680 |
| .230 | -.0719 | -.0676 | -.0444 | -.0645 |
| .410 | -.0729 | -.0655 | -.0666 | -.0610 |
| .590 | -.0729 | -.0666 | -.0645 | -.0628 |
| .770 | -.0729 | -.0676 | -.0666 | -.0645 |
| .878 | -.0740 | -.0676 | -.0666 | -.0613 |

BETA ( 5 ) = 10.090 ALPHA ( 3 ) = 4.100 Q(PSF) = 42.775 PO/PSF = 2110.7 RUN NO = 16.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0496 | -.0359 | -.0253 | -.0350 |
| .230 | -.0401 | -.0349 | -.0137 | -.0333 |
| .410 | -.0401 | -.0349 | -.0338 | -.0298 |
| .590 | -.0391 | -.0327 | -.0349 | -.0315 |
| .770 | -.0380 | -.0370 | -.0349 | -.0338 |
| .878 | -.0380 | -.0338 | -.0338 | -.0359 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF04)

BETA ( 5 ) = 10.090 ALPHA ( 4 ) = 6.160 Q(PSF) = 42.775 PO/PSF = 2110.7 RUN NO = 16.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0168 | -.0021 | .0052  | -.0004 |
| .230 | -.0073 | -.0010 | .0167  | .0013  |
| .410 | -.0063 | .0010  | -.0010 | .0064  |
| .590 | -.0031 | .0010  | .0000  | .0030  |
| .770 | -.0042 | .0000  | -.0021 | .0010  |
| .878 | -.0052 | .0000  | .0000  | -.0126 |

BETA ( 5 ) = 10.090 ALPHA ( 5 ) = 8.220 Q(PSF) = 42.775 PO/PSF = 2110.7 RUN NO = 16.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .0210 | .0305 | .0347 | .0376 |
| .230 | .0284 | .0337 | .0463 | .0376 |
| .410 | .0305 | .0347 | .0347 | .0410 |
| .590 | .0315 | .0358 | .0358 | .0393 |
| .770 | .0294 | .0347 | .0347 | .0347 |
| .878 | .0315 | .0347 | .0337 | .0147 |

BETA ( 5 ) = 10.090 ALPHA ( 6 ) = 10.340 Q(PSF) = 42.775 PO/PSF = 2110.7 RUN NO = 16.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .0505 | .0631 | .0736 | .0669 |
| .230 | .0599 | .0673 | .0800 | .0686 |
| .410 | .0631 | .0684 | .0684 | .0686 |
| .590 | .0631 | .0663 | .0684 | .0686 |
| .770 | .0631 | .0663 | .0673 | .0705 |
| .878 | .0642 | .0663 | .0663 | .0441 |

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OF POOR QUALITY

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF05) ( 11 MAY 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0405

## PARAMETRIC DATA

MACH = .170 ELEVON = .000  
 BDFLAP = .000 SPOBRK = 25.000  
 PHI-N = 6.000 THETAN = .000  
 PHI-M = 6.000 THETAM = 1.100

BETA ( 1 ) = -10.020 ALPHA ( 1 ) = .020 Q(PSF) = 42.853 PO/PSF = 2110.8 RUN NO = 25.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.2790 -.2074 -.1242 -.1920  
 .230 -.2032 -.2011 -.1442 -.1851  
 .410 -.1990 -.1969 -.1958 -.1868  
 .590 -.1990 -.1969 -.1948 -.1886  
 .770 -.2021 -.1927 -.1937 -.1927  
 .878 -.2021 -.1937 -.1927 -.1095

BETA ( 1 ) = -10.020 ALPHA ( 2 ) = 2.070 Q(PSF) = 42.853 PO/PSF = 2110.8 RUN NO = 25.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.2327 -.1653 -.1263 -.1488  
 .230 -.1611 -.1579 -.1221 -.1454  
 .410 -.1558 -.1527 -.1527 -.1419  
 .590 -.1558 -.1527 -.1527 -.1471  
 .770 -.1600 -.1516 -.1516 -.1463  
 .878 -.1670 -.1495 -.1516 -.1200

BETA ( 1 ) = -10.020 ALPHA ( 3 ) = 4.150 Q(PSF) = 42.853 PO/PSF = 2110.8 RUN NO = 25.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.1852 -.1168 -.1189 -.1022  
 .230 -.1147 -.1105 -.0905 -.1004  
 .410 -.1105 -.1084 -.1084 -.0970  
 .590 -.1105 -.1063 -.1041 -.0970  
 .770 -.1105 -.1031 -.1052 -.1031  
 .878 -.1136 -.1020 -.1031 -.1105

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF05)

BETA ( 1 ) = -10.020    ALPHA ( 4 ) = 6.210    Q(PSF) = 42.853    PO/PSF = 2110.8    RUN NO = 25.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML    .0760    .3100    .5820    .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1384 | -.0729 | -.0602 | -.0593 |
| .230 | -.0719 | -.0634 | -.0423 | -.0558 |
| .410 | -.0623 | -.0634 | -.0634 | -.0524 |
| .590 | -.0655 | -.0602 | -.0592 | -.0541 |
| .770 | -.0687 | -.0581 | -.0602 | -.0571 |
| .878 | -.0697 | -.0571 | -.0581 | -.0782 |

BETA ( 1 ) = -10.020    ALPHA ( 5 ) = 8.290    Q(PSF) = 42.853    PO/PSF = 2110.8    RUN NO = 25.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML    .0760    .3100    .5820    .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0903 | -.0252 | -.0136 | -.0141 |
| .230 | -.0262 | -.0168 | .0000  | -.0107 |
| .410 | -.0147 | -.0126 | -.0147 | -.0055 |
| .590 | -.0189 | -.0115 | -.0126 | -.0072 |
| .770 | -.0220 | -.0136 | -.0105 | -.0094 |
| .878 | -.0220 | -.0094 | -.0105 | -.0388 |

BETA ( 1 ) = -10.020    ALPHA ( 6 ) = 10.360    Q(PSF) = 42.853    PO/PSF = 2110.8    RUN NO = 25.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML    .0760    .3100    .5820    .8530

X/CML

|      |        |       |       |       |
|------|--------|-------|-------|-------|
| .050 | -.0409 | .0262 | .0314 | .0340 |
| .230 | .0209  | .0293 | .0451 | .0392 |
| .410 | .0314  | .0367 | .0356 | .0443 |
| .590 | .0304  | .0356 | .0367 | .0443 |
| .770 | .0262  | .0377 | .0367 | .0388 |
| .878 | .0241  | .0388 | .0409 | .0188 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF05)

BETA ( 2 ) = -5.010 ALPHA ( 1 ) = .010 Q(PSF) = 42.943 PO/PSF = 2110.7 RUN NO = 24.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2312 | -.1702 | -.1166 | -.1623 |
| .230 | -.1692 | -.1639 | -.1187 | -.1520 |
| .410 | -.1618 | -.1608 | -.1618 | -.1503 |
| .590 | -.1671 | -.1587 | -.1587 | -.1503 |
| .770 | -.1692 | -.1565 | -.1565 | -.1544 |
| .878 | -.1723 | -.1587 | -.1555 | -.0861 |

BETA ( 2 ) = -5.010 ALPHA ( 2 ) = 2.090 Q(PSF) = 42.943 PO/PSF = 2110.7 RUN NO = 24.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1892 | -.1272 | -.1104 | -.1210 |
| .230 | -.1261 | -.1230 | -.0946 | -.1089 |
| .410 | -.1209 | -.1188 | -.1188 | -.1107 |
| .590 | -.1272 | -.1167 | -.1177 | -.1141 |
| .770 | -.1303 | -.1156 | -.1156 | -.1146 |
| .878 | -.1303 | -.1167 | -.1146 | -.0925 |

BETA ( 2 ) = -5.010 ALPHA ( 3 ) = 4.180 Q(PSF) = 42.943 PO/PSF = 2110.7 RUN NO = 24.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1483 | -.0841 | -.0841 | -.0763 |
| .230 | -.0873 | -.0799 | -.0578 | -.0711 |
| .410 | -.0778 | -.0768 | -.0757 | -.0659 |
| .590 | -.0820 | -.0736 | -.0736 | -.0694 |
| .770 | -.0883 | -.0736 | -.0726 | -.0705 |
| .878 | -.0905 | -.0715 | -.0694 | -.0841 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF05)

BETA ( 2 ) = -5.010 ALPHA ( 4 ) = 6.190 Q(PSF) = 42.943 PO/PSF = 2110.7 RUN NO = 24.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1079 | -.0440 | -.0304 | -.0347 |
| .230 | -.0503 | -.0388 | -.0157 | -.0279 |
| .410 | -.0346 | -.0325 | -.0325 | -.0227 |
| .590 | -.0419 | -.0325 | -.0325 | -.0261 |
| .770 | -.0482 | -.0293 | -.0304 | -.0272 |
| .878 | -.0461 | -.0283 | -.0283 | -.0629 |

BETA ( 2 ) = -5.010 ALPHA ( 5 ) = 8.260 Q(PSF) = 42.943 PO/PSF = 2110.7 RUN NO = 24.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |       |        |
|------|--------|--------|-------|--------|
| .050 | -.0653 | -.0031 | .0104 | .0082  |
| .230 | -.0116 | .0052  | .0231 | .0151  |
| .410 | .0073  | .0104  | .0083 | .0185  |
| .590 | -.0010 | .0115  | .0115 | .0168  |
| .770 | -.0031 | .0126  | .0126 | .0157  |
| .878 | -.0084 | .0126  | .0136 | -.0053 |

BETA ( 2 ) = -5.010 ALPHA ( 6 ) = 10.340 Q(PSF) = 42.943 PO/PSF = 2110.7 RUN NO = 24.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |       |       |       |
|------|--------|-------|-------|-------|
| .050 | -.0136 | .0449 | .0512 | .0527 |
| .230 | .0282  | .0460 | .0516 | .0562 |
| .410 | .0491  | .0564 | .0522 | .0596 |
| .590 | .0449  | .0564 | .0564 | .0596 |
| .770 | .0397  | .0564 | .0596 | .0596 |
| .878 | .0376  | .0575 | .0596 | .0418 |



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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF05)

BETA ( 3 ) = .020 ALPHA ( 1 ) = .010 Q(PSF) = 42.960 PO/PSF = 2110.7 RUN NO = 23.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1994 | -.1438 | -.1112 | -.1329 |
| .230 | -.1490 | -.1364 | -.1007 | -.1243 |
| .410 | -.1333 | -.1301 | -.1333 | -.1208 |
| .590 | -.1417 | -.1291 | -.1291 | -.1225 |
| .770 | -.1458 | -.1291 | -.1291 | -.1228 |
| .878 | -.1458 | -.1280 | -.1270 | -.0829 |

BETA ( 3 ) = .020 ALPHA ( 2 ) = 2.060 Q(PSF) = 42.960 PO/PSF = 2110.7 RUN NO = 23.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1605 | -.1049 | -.0829 | -.0950 |
| .230 | -.1175 | -.0996 | -.0734 | -.0846 |
| .410 | -.0975 | -.0923 | -.0954 | -.0846 |
| .590 | -.1038 | -.0923 | -.0913 | -.0864 |
| .770 | -.1101 | -.0902 | -.0902 | -.0871 |
| .878 | -.1101 | -.0913 | -.0892 | -.0818 |

BETA ( 3 ) = .020 ALPHA ( 3 ) = 4.110 Q(PSF) = 42.960 PO/PSF = 2110.7 RUN NO = 23.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1189 | -.0673 | -.0495 | -.0573 |
| .230 | -.0821 | -.0631 | -.0389 | -.0487 |
| .410 | -.0600 | -.0547 | -.0537 | -.0487 |
| .590 | -.0642 | -.0537 | -.0537 | -.0452 |
| .770 | -.0726 | -.0516 | -.0505 | -.0505 |
| .878 | -.0747 | -.0537 | -.0505 | -.0631 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF05)

BETA ( 3 ) = .020 ALPHA ( 4 ) = 6.220 Q(PSF) = 42.960 PO/PSF = 2110.7 RUN NO = 23.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0724 | -.0252 | -.0136 | -.0176 |
| .230 | -.0420 | -.0220 | -.0031 | -.0090 |
| .410 | -.0210 | -.0126 | -.0157 | -.0072 |
| .590 | -.0283 | -.0147 | -.0136 | -.0038 |
| .770 | -.0304 | -.0126 | -.0105 | -.0094 |
| .878 | -.0325 | -.0105 | -.0105 | -.0220 |

BETA ( 3 ) = .020 ALPHA ( 5 ) = 8.270 Q(PSF) = 42.960 PO/PSF = 2110.7 RUN NO = 23.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |       |       |       |
|------|--------|-------|-------|-------|
| .050 | -.0262 | .0157 | .0262 | .0202 |
| .230 | -.0073 | .0167 | .0388 | .0288 |
| .410 | .0188  | .0262 | .0241 | .0288 |
| .590 | .0136  | .0272 | .0283 | .0340 |
| .770 | .0094  | .0293 | .0293 | .0335 |
| .878 | .0094  | .0293 | .0346 | .0167 |

BETA ( 3 ) = .020 ALPHA ( 6 ) = 10.340 Q(PSF) = 42.960 PO/PSF = 2110.7 RUN NO = 23.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .0167 | .0534 | .0649 | .0580 |
| .230 | .0335 | .0576 | .0775 | .0700 |
| .410 | .0565 | .0670 | .0670 | .0717 |
| .590 | .0544 | .0680 | .0670 | .0752 |
| .770 | .0502 | .0670 | .0701 | .0722 |
| .878 | .0513 | .0680 | .0701 | .0618 |

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OF POOR QUALITY

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF05)

BETA ( 4 ) = 5.030 ALPHA ( 1 ) = .020 Q(PSF) = 42.922 PO/PSF = 2110.6 RUN NO = 22.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1574 | -.1196 | -.0892 | -.1122 |
| .230 | -.1375 | -.1186 | -.0819 | -.1071 |
| .410 | -.1186 | -.1070 | -.1081 | -.1036 |
| .590 | -.1217 | -.1070 | -.1081 | -.1002 |
| .770 | -.1217 | -.1070 | -.1049 | -.0976 |
| .878 | -.1238 | -.1060 | -.1060 | -.0598 |

BETA ( 4 ) = 5.030 ALPHA ( 2 ) = 2.050 Q(PSF) = 42.922 PO/PSF = 2110.6 RUN NO = 22.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1198 | -.0840 | -.0662 | -.0779 |
| .230 | -.1009 | -.0830 | -.0557 | -.0710 |
| .410 | -.0809 | -.0714 | -.0746 | -.0658 |
| .590 | -.0840 | -.0704 | -.0714 | -.0624 |
| .770 | -.0851 | -.0683 | -.0693 | -.0620 |
| .878 | -.0861 | -.0683 | -.0672 | -.0609 |

BETA ( 4 ) = 5.030 ALPHA ( 3 ) = 4.120 Q(PSF) = 42.922 PO/PSF = 2110.6 RUN NO = 22.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0715 | -.0442 | -.0336 | -.0417 |
| .230 | -.0578 | -.0442 | -.0221 | -.0348 |
| .410 | -.0452 | -.0315 | -.0336 | -.0331 |
| .590 | -.0452 | -.0315 | -.0294 | -.0279 |
| .770 | -.0473 | -.0273 | -.0273 | -.0252 |
| .878 | -.0484 | -.0284 | -.0273 | -.0463 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

PAGE 1101

0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF05)

BETA ( 4 ) = 5.030 ALPHA ( 4 ) = 6.190 Q(PSF) = 42.922 PO/PSF = 2110.6 RUN NO = 22.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0378 | -.0115 | -.0010 | -.0072 |
| .230 | -.0210 | -.0084 | .0115  | .0047  |
| .410 | -.0073 | .0031  | .0031  | .0099  |
| .590 | -.0094 | .0020  | .0041  | .0116  |
| .770 | -.0084 | .0052  | .0073  | .0094  |
| .878 | -.0136 | .0031  | .0073  | -.0042 |

BETA ( 4 ) = 5.030 ALPHA ( 5 ) = 8.260 Q(PSF) = 42.922 PO/PSF = 2110.6 RUN NO = 22.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .0041 | .0272 | .0325 | .0271 |
| .230 | .0188 | .0283 | .0441 | .0375 |
| .410 | .0315 | .0399 | .0399 | .0461 |
| .590 | .0315 | .0420 | .0430 | .0495 |
| .770 | .0315 | .0451 | .0451 | .0472 |
| .878 | .0272 | .0430 | .0441 | .0241 |

BETA ( 4 ) = 5.030 ALPHA ( 6 ) = 10.340 Q(PSF) = 42.922 PO/PSF = 2110.6 RUN NO = 22.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .0462 | .0651 | .0714 | .0668 |
| .230 | .0577 | .0693 | .0829 | .0788 |
| .410 | .0693 | .0798 | .0798 | .0857 |
| .590 | .0724 | .0819 | .0829 | .0892 |
| .770 | .0714 | .0840 | .0829 | .0871 |
| .878 | .0661 | .0819 | .0829 | .0588 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

PAGE 1102

OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF05)

BETA ( 5 ) = 10.060 ALPHA ( 1 ) = .000 Q(PSF) = 42.862 PO/PSF = 2110.7 RUN NO = 21.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1208 | -.0967 | -.0756 | -.0969 |
| .230 | -.1082 | -.0967 | -.0651 | -.0865 |
| .410 | -.0977 | -.0862 | -.0904 | -.0814 |
| .590 | -.0977 | -.0862 | -.0872 | -.0779 |
| .770 | -.0977 | -.0841 | -.0841 | -.0799 |
| .878 | -.1009 | -.0851 | -.0830 | -.0483 |

BETA ( 5 ) = 10.060 ALPHA ( 2 ) = 2.080 Q(PSF) = 42.862 PO/PSF = 2110.7 RUN NO = 21.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0810 | -.0621 | -.0452 | -.0590 |
| .230 | -.0705 | -.0610 | -.0368 | -.0470 |
| .410 | -.0589 | -.0495 | -.0505 | -.0401 |
| .590 | -.0589 | -.0484 | -.0473 | -.0366 |
| .770 | -.0579 | -.0452 | -.0452 | -.0410 |
| .878 | -.0600 | -.0473 | -.0442 | -.0410 |

BETA ( 5 ) = 10.060 ALPHA ( 3 ) = 4.200 Q(PSF) = 42.862 PO/PSF = 2110.7 RUN NO = 21.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0431 | -.0231 | -.0116 | -.0211 |
| .230 | -.0389 | -.0231 | -.0021 | -.0124 |
| .410 | -.0210 | -.0116 | -.0137 | -.0021 |
| .590 | -.0200 | -.0105 | -.0105 | -.0004 |
| .770 | -.0179 | -.0084 | -.0074 | -.0021 |
| .878 | -.0200 | -.0074 | -.0063 | -.0231 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

PAGE 1103

OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF05)

BETA ( 5 ) = 10.060 ALPHA ( 4 ) = 6.210 Q(PSF) = 42.862 PO/PSF = 2110.7 RUN NO = 21.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |       |       |       |
|------|--------|-------|-------|-------|
| .050 | -.0032 | .0115 | .0200 | .0134 |
| .230 | -.0042 | .0105 | .0294 | .0186 |
| .410 | .0136  | .0242 | .0210 | .0289 |
| .590 | .0168  | .0242 | .0273 | .0341 |
| .770 | .0178  | .0273 | .0284 | .0326 |
| .878 | .0147  | .0263 | .0284 | .0052 |

BETA ( 5 ) = 10.060 ALPHA ( 5 ) = 8.320 Q(PSF) = 42.862 PO/PSF = 2110.7 RUN NO = 21.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .0388 | .0472 | .0546 | .0496 |
| .230 | .0283 | .0483 | .0630 | .0565 |
| .410 | .0504 | .0620 | .0620 | .0702 |
| .590 | .0536 | .0630 | .0641 | .0702 |
| .770 | .0567 | .0662 | .0672 | .0662 |
| .878 | .0535 | .0641 | .0672 | .0409 |

BETA ( 5 ) = 10.050 ALPHA ( 6 ) = 10.370 Q(PSF) = 42.862 PO/PSF = 2110.7 RUN NO = 21.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .0756 | .0872 | .0903 | .0858 |
| .230 | .0641 | .0840 | .0967 | .0927 |
| .410 | .0851 | .0988 | .0998 | .1065 |
| .590 | .0925 | .0998 | .1009 | .1082 |
| .770 | .0946 | .1030 | .1019 | .1009 |
| .878 | .0893 | .1009 | .1030 | .0798 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF06) ( 03 FEB 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0405

## PARAMETRIC DATA

MACH = .170 ELEVON = .000  
 BDFLAP = .000 SPDBRK = 25.000  
 PHI-N = 8.000 THETAN = 1.000  
 PHI-M = 8.000 THETAM = 1.100

BETA ( 1 ) = -10.050 ALPHA ( 1 ) = .020 Q(PSF) = 42.923 PO/PSF = 2114.2 RUN NO = 30.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.3389 -.2484 -.2158 -.2092  
 .230 -.2421 -.2263 -.2137 -.2006  
 .410 -.2158 -.2168 -.2200 -.2040  
 .590 -.2168 -.2147 -.2126 -.2058  
 .770 -.2147 -.2095 -.2105 -.2105  
 .878 -.2158 -.2095 -.2105 -.1831

BETA ( 1 ) = -10.050 ALPHA ( 2 ) = 2.100 Q(PSF) = 42.923 PO/PSF = 2114.2 RUN NO = 30.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.2830 -.1978 -.1830 -.1608  
 .230 -.1935 -.1788 -.1767 -.1556  
 .410 -.1683 -.1693 -.1725 -.1573  
 .590 -.1693 -.1641 -.1662 -.1573  
 .770 -.1704 -.1630 -.1620 -.1630  
 .878 -.1704 -.1609 -.1630 -.1788

BETA ( 1 ) = -10.060 ALPHA ( 3 ) = 4.170 Q(PSF) = 42.923 PO/PSF = 2114.2 RUN NO = 30.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.2251 -.1462 -.1410 -.1177  
 .230 -.1452 -.1315 -.1325 -.1073  
 .410 -.1199 -.1210 -.1231 -.1108  
 .590 -.1210 -.1168 -.1189 -.1108  
 .770 -.1231 -.1147 -.1147 -.1147  
 .878 -.1231 -.1136 -.1126 -.1368

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF08)

BETA ( 1 ) = -10.060 ALPHA ( 4 ) = 6.210 Q(PSF) = 42.923 PO/PSF = 2114.2 RUN NO = 30.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1752 | -.0965 | -.0839 | -.0726 |
| .230 | -.0955 | -.0850 | -.0818 | -.0675 |
| .410 | -.0724 | -.0745 | -.0766 | -.0658 |
| .590 | -.0755 | -.0703 | -.0724 | -.0658 |
| .770 | -.0776 | -.0671 | -.0692 | -.0651 |
| .878 | -.0776 | -.0692 | -.0661 | -.0766 |

BETA ( 1 ) = -10.060 ALPHA ( 5 ) = 8.300 Q(PSF) = 42.923 PO/PSF = 2114.2 RUN NO = 30.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1175 | -.0461 | -.0482 | -.0279 |
| .230 | -.0461 | -.0346 | -.0430 | -.0262 |
| .410 | -.0262 | -.0262 | -.0273 | -.0141 |
| .590 | -.0262 | -.0231 | -.0231 | -.0158 |
| .770 | -.0294 | -.0189 | -.0199 | -.0147 |
| .878 | -.0273 | -.0168 | -.0178 | -.0388 |

BETA ( 1 ) = -10.060 ALPHA ( 6 ) = 10.370 Q(PSF) = 42.923 PO/PSF = 2114.2 RUN NO = 30.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |       |       |       |
|------|--------|-------|-------|-------|
| .050 | -.0598 | .0041 | .0000 | .0185 |
| .230 | .0000  | .0125 | .0062 | .0236 |
| .410 | .0178  | .0199 | .0209 | .0288 |
| .590 | .0220  | .0272 | .0251 | .0323 |
| .770 | .0188  | .0314 | .0293 | .0293 |
| .878 | .0167  | .0314 | .0314 | .0083 |



DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF06)

BETA ( 2 ) = -5.030 ALPHA ( 1 ) = .010 Q(PSF) = 42.887 PO/PSF = 2114.0 RUN NO = 29.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2752 | -.1974 | -.1817 | -.1795 |
| .230 | -.1985 | -.1859 | -.1775 | -.1657 |
| .410 | -.1817 | -.1754 | -.1764 | -.1640 |
| .590 | -.1806 | -.1712 | -.1722 | -.1674 |
| .770 | -.1806 | -.1691 | -.1691 | -.1680 |
| .878 | -.1796 | -.1680 | -.1670 | -.1449 |

BETA ( 2 ) = -5.040 ALPHA ( 2 ) = 2.070 Q(PSF) = 42.887 PO/PSF = 2114.0 RUN NO = 29.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2206 | -.1492 | -.1534 | -.1347 |
| .230 | -.1544 | -.1418 | -.1429 | -.1227 |
| .410 | -.1355 | -.1313 | -.1324 | -.1192 |
| .590 | -.1366 | -.1282 | -.1282 | -.1210 |
| .770 | -.1355 | -.1240 | -.1250 | -.1240 |
| .878 | -.1345 | -.1229 | -.1229 | -.1355 |

BETA ( 2 ) = -5.040 ALPHA ( 3 ) = 4.180 Q(PSF) = 42.887 PO/PSF = 2114.0 RUN NO = 29.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1706 | -.1011 | -.1053 | -.0919 |
| .230 | -.1084 | -.0969 | -.1011 | -.0815 |
| .410 | -.0927 | -.0863 | -.0884 | -.0798 |
| .590 | -.0948 | -.0842 | -.0821 | -.0798 |
| .770 | -.0927 | -.0800 | -.0811 | -.0790 |
| .878 | -.0927 | -.0790 | -.0790 | -.0958 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF06)

BETA ( 2 ) = -5.040 ALPHA ( 4 ) = 6.210 Q(PSF) = 42.887 PO/PSF = 2114.0 RUN NO = 29.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1181 | -.0569 | -.0622 | -.0436 |
| .230 | -.0685 | -.0559 | -.0580 | -.0367 |
| .410 | -.0485 | -.0400 | -.0432 | -.0332 |
| .590 | -.0506 | -.0400 | -.0379 | -.0280 |
| .770 | -.0506 | -.0337 | -.0348 | -.0337 |
| .878 | -.0516 | -.0316 | -.0337 | -.0537 |

BETA ( 2 ) = -5.030 ALPHA ( 5 ) = 8.290 Q(PSF) = 42.887 PO/PSF = 2114.0 RUN NO = 29.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0662 | -.0063 | -.0189 | -.0055 |
| .230 | -.0242 | .0052  | -.0158 | .0082  |
| .410 | .0000  | .0094  | .0052  | .0116  |
| .590 | -.0042 | .0094  | .0094  | .0185  |
| .770 | -.0073 | .0125  | .0115  | .0157  |
| .878 | -.0052 | .0125  | .0146  | -.0126 |

BETA ( 2 ) = -5.040 ALPHA ( 6 ) = 10.340 Q(PSF) = 42.887 PO/PSF = 2114.0 RUN NO = 29.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |       |       |       |
|------|--------|-------|-------|-------|
| .050 | -.0189 | .0451 | .0251 | .0392 |
| .230 | .0178  | .0398 | .0314 | .0530 |
| .410 | .0472  | .0535 | .0535 | .0547 |
| .590 | .0430  | .0546 | .0588 | .0667 |
| .770 | .0388  | .0619 | .0609 | .0619 |
| .878 | .0367  | .0640 | .0630 | .0283 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

PAGE 1108

0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(R'FF06)

BETA ( 3 ) = -.010 ALPHA ( 1 ) = .000 Q(PSF) = 42.910 PO/PSF = 2114.0 RUN NO = 28.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2132 | -.1523 | -.1481 | -.1468 |
| .230 | -.1744 | -.1523 | -.1460 | -.1382 |
| .410 | -.1481 | -.1408 | -.1418 | -.1365 |
| .590 | -.1523 | -.1397 | -.1376 | -.1261 |
| .770 | -.1534 | -.1345 | -.1334 | -.1303 |
| .878 | -.1523 | -.1355 | -.1313 | -.1176 |

BETA ( 3 ) = .000 ALPHA ( 2 ) = 2.060 Q(PSF) = 42.910 PO/PSF = 2114.0 RUN NO = 28.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1714 | -.1115 | -.1251 | -.1090 |
| .230 | -.1325 | -.1115 | -.1157 | -.0952 |
| .410 | -.1073 | -.0999 | -.1009 | -.0952 |
| .590 | -.1136 | -.0967 | -.0967 | -.0868 |
| .770 | -.1146 | -.0946 | -.0946 | -.0925 |
| .878 | -.1136 | -.0936 | -.0904 | -.1083 |

BETA ( 3 ) = -.010 ALPHA ( 3 ) = 4.120 Q(PSF) = 42.910 PO/PSF = 2114.0 RUN NO = 28.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1294 | -.0673 | -.0799 | -.0642 |
| .230 | -.0905 | -.0715 | -.0768 | -.0556 |
| .410 | -.0673 | -.0578 | -.0589 | -.0521 |
| .590 | -.0736 | -.0547 | -.0547 | -.0435 |
| .770 | -.0747 | -.0526 | -.0515 | -.0526 |
| .878 | -.0747 | -.0515 | -.0494 | -.0715 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

PAGE 1109

OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF06)

BETA ( 3 ) = -.010 ALPHA ( 4 ) = 6.200 Q(PSF) = 42.910 PO/PSF = 2114.0 RUN NO = 28.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0852 | -.0231 | -.0389 | -.0280 |
| .230 | -.0557 | -.0294 | -.0368 | -.0159 |
| .410 | -.0242 | -.0147 | -.0137 | -.0124 |
| .590 | -.0305 | -.0116 | -.0126 | -.0021 |
| .770 | -.0358 | -.0074 | -.0095 | -.0084 |
| .878 | -.0368 | -.0095 | -.0063 | -.0347 |

BETA ( 3 ) = -.010 ALPHA ( 5 ) = 8.280 Q(PSF) = 42.910 PO/PSF = 2114.0 RUN NO = 28.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |       |       |       |
|------|--------|-------|-------|-------|
| .050 | -.0368 | .0209 | .0031 | .0202 |
| .230 | -.0158 | .0125 | .0041 | .0323 |
| .410 | .0199  | .0304 | .0304 | .0358 |
| .590 | .0178  | .0315 | .0336 | .0478 |
| .770 | .0115  | .0357 | .0346 | .0346 |
| .878 | .0073  | .0367 | .0388 | .0062 |

BETA ( 3 ) = -.010 ALPHA ( 6 ) = 10.350 Q(PSF) = 42.910 PO/PSF = 2114.0 RUN NO = 28.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .0094 | .0639 | .0429 | .0598 |
| .230 | .0282 | .0545 | .0440 | .0736 |
| .410 | .0618 | .0723 | .0723 | .0804 |
| .590 | .0597 | .0754 | .0765 | .0890 |
| .770 | .0545 | .0796 | .0775 | .0754 |
| .878 | .0492 | .0765 | .0796 | .0503 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

PAGE 1110

OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF06)

BETA ( 4 ) = 5.020 ALPHA ( 1 ) = .000 Q(PSF) = 42.940 PO/PSF = 2113.9 RUN NO = 27.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1713 | -.1209 | -.1240 | -.1279 |
| .230 | -.1482 | -.1261 | -.1251 | -.1141 |
| .410 | -.1219 | -.1114 | -.1125 | -.1072 |
| .590 | -.1251 | -.1104 | -.1072 | -.0934 |
| .770 | -.1293 | -.1072 | -.1041 | -.0978 |
| .878 | -.1272 | -.1072 | -.1030 | -.0988 |

BETA ( 4 ) = 5.020 ALPHA ( 2 ) = 2.070 Q(PSF) = 42.940 PO/PSF = 2113.9 RUN NO = 27.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1302 | -.0819 | -.0966 | -.0847 |
| .230 | -.1039 | -.0892 | -.0945 | -.0727 |
| .410 | -.0808 | -.0714 | -.0745 | -.0623 |
| .590 | -.0861 | -.0672 | -.0682 | -.0503 |
| .770 | -.0882 | -.0640 | -.0640 | -.0577 |
| .878 | -.0903 | -.0661 | -.0619 | -.0871 |

BETA ( 4 ) = 5.020 ALPHA ( 3 ) = 4.130 Q(PSF) = 42.940 PO/PSF = 2113.9 RUN NO = 27.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0852 | -.0400 | -.0578 | -.0469 |
| .230 | -.0684 | -.0484 | -.0557 | -.0349 |
| .410 | -.0431 | -.0336 | -.0326 | -.0245 |
| .590 | -.0463 | -.0284 | -.0273 | -.0107 |
| .770 | -.0463 | -.0231 | -.0242 | -.0221 |
| .878 | -.0515 | -.0263 | -.0242 | -.0473 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

PAGE 1111

OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF06)

BETA ( 4 ) = 5.020 ALPHA ( 4 ) = 6.180 Q(PSF) = 42.940 PO/PSF = 2113.9 RUN NO = 27.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0441 | -.0031 | -.0231 | -.0072 |
| .230 | -.0263 | -.0115 | -.0210 | .0047  |
| .410 | -.0031 | .0073  | .0062  | .0185  |
| .590 | -.0063 | .0115  | .0115  | .0288  |
| .770 | -.0084 | .0157  | .0167  | .0125  |
| .878 | -.0115 | .0125  | .0157  | -.0178 |

BETA ( 4 ) = 5.020 ALPHA ( 5 ) = 8.270 Q(PSF) = 42.940 PO/PSF = 2113.9 RUN NO = 27.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |       |       |       |
|------|--------|-------|-------|-------|
| .050 | -.0010 | .0377 | .0157 | .0305 |
| .230 | .0115  | .0283 | .0167 | .0426 |
| .410 | .0335  | .0461 | .0461 | .0598 |
| .590 | .0356  | .0524 | .0524 | .0684 |
| .770 | .0325  | .0576 | .0545 | .0524 |
| .878 | .0293  | .0534 | .0545 | .0283 |

BETA ( 4 ) = 5.020 ALPHA ( 6 ) = 10.370 Q(PSF) = 42.940 PO/PSF = 2113.9 RUN NO = 27.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .0503 | .0775 | .0597 | .0683 |
| .230 | .0523 | .0691 | .0586 | .0787 |
| .410 | .0744 | .0880 | .0891 | .0941 |
| .590 | .0754 | .0912 | .0943 | .1027 |
| .770 | .0765 | .0984 | .0964 | .0953 |
| .878 | .0723 | .0953 | .0995 | .0712 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF08)

BETA ( 5 ) = 10.070 ALPHA ( 1 ) = .000 Q(PSF) = 42.935 PO/PSF = 2114.1 RUN NO = 26.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1262 | -.0915 | -.0978 | -.1004 |
| .230 | -.1115 | -.0978 | -.1031 | -.0883 |
| .410 | -.0947 | -.0831 | -.0841 | -.0711 |
| .590 | -.0957 | -.0789 | -.0778 | -.0607 |
| .770 | -.0969 | -.0757 | -.0747 | -.0673 |
| .878 | -.0989 | -.0768 | -.0736 | -.0947 |

BETA ( 5 ) = 10.070 ALPHA ( 2 ) = 2.050 Q(PSF) = 42.935 PO/PSF = 2114.1 RUN NO = 26.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0808 | -.0546 | -.0808 | -.0692 |
| .230 | -.0787 | -.0630 | -.0756 | -.0554 |
| .410 | -.0598 | -.0430 | -.0441 | -.0365 |
| .590 | -.0567 | -.0388 | -.0378 | -.0262 |
| .770 | -.0535 | -.0346 | -.0357 | -.0294 |
| .878 | -.0577 | -.0367 | -.0346 | -.0619 |

BETA ( 5 ) = 10.070 ALPHA ( 3 ) = 4.110 Q(PSF) = 42.935 PO/PSF = 2114.1 RUN NO = 26.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0410 | -.0147 | -.0672 | -.0262 |
| .230 | -.0473 | -.0242 | -.0431 | -.0176 |
| .410 | -.0210 | -.0042 | -.0042 | .0047  |
| .590 | -.0168 | -.0010 | .0000  | .0133  |
| .770 | -.0137 | .0041  | .0031  | .0073  |
| .878 | -.0200 | .0052  | .0041  | -.0326 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

PAGE 1113

OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF06)

BETA ( 5 ) = 10.070 ALPHA ( 4 ) = 6.230 Q(PSF) = 42.935 PO/PSF = 2114.1 RUN NO = 26.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |       |        |       |
|------|--------|-------|--------|-------|
| .050 | .0031  | .0230 | -.0157 | .0133 |
| .230 | -.0189 | .0104 | -.0073 | .0150 |
| .410 | .0188  | .0325 | .0346  | .0409 |
| .590 | .0209  | .0388 | .0411  | .0529 |
| .770 | .0262  | .0419 | .0419  | .0451 |
| .878 | .0209  | .0419 | .0430  | .0041 |

BETA ( 5 ) = 10.070 ALPHA ( 5 ) = 8.280 Q(PSF) = 42.935 PO/PSF = 2114.1 RUN NO = 26.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .0441 | .0609 | .0230 | .0444 |
| .230 | .0073 | .0493 | .0283 | .0478 |
| .410 | .0504 | .0693 | .0735 | .0737 |
| .590 | .0588 | .0767 | .0809 | .0823 |
| .770 | .0683 | .0809 | .0788 | .0819 |
| .878 | .0588 | .0798 | .0798 | .0346 |

BETA ( 5 ) = 10.070 ALPHA ( 6 ) = 10.340 Q(PSF) = 42.935 PO/PSF = 2114.1 RUN NO = 26.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .0849 | .0964 | .0660 | .0873 |
| .230 | .0356 | .0859 | .0692 | .0821 |
| .410 | .0859 | .1090 | .1122 | .1114 |
| .590 | .0964 | .1153 | .1195 | .1234 |
| .770 | .1027 | .1174 | .1174 | .1195 |
| .878 | .0964 | .1164 | .1185 | .0807 |



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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 GRB

MAIN GEAR DOOR INNER SURFACE

(RFFF07) ( 03 FEB 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0405

## PARAMETRIC DATA

MACH = .170 ELEVON = .000  
 BDFLAP = .000 SPDBRK = 25.000  
 PHI-N = 10.000 THETAN = 1.300  
 PHI-M = 10.000 THETAM = 1.600

BETA ( 1 ) = -10.070 ALPHA ( 1 ) = .000 Q(PSF) = 42.880 PO/PSF = 2114.2 RUN NO = 35.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.4911 -.6246 -.5836 -.2366  
 .230 -.2534 -.2377 -.2334 -.2228  
 .410 -.2282 -.2303 -.2292 -.2245  
 .590 -.2292 -.2313 -.2292 -.2245  
 .770 -.2250 -.2250 -.2261 -.2313  
 .878 -.2219 -.2261 -.2261 -.2219

BETA ( 1 ) = -10.070 ALPHA ( 2 ) = 2.060 Q(PSF) = 42.880 PO/PSF = 2114.2 RUN NO = 35.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.4282 -.5387 -.5303 -.1953  
 .230 -.2010 -.1883 -.1831 -.1712  
 .410 -.1768 -.1810 -.1778 -.1764  
 .590 -.1799 -.1810 -.1799 -.1764  
 .770 -.1757 -.1757 -.1757 -.1915  
 .878 -.1747 -.1768 -.1757 -.1757

BETA ( 1 ) = -10.070 ALPHA ( 3 ) = 4.120 Q(PSF) = 42.880 PO/PSF = 2114.2 RUN NO = 35.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.3593 -.4571 -.4245 -.1434  
 .230 -.1429 -.1345 -.1345 -.1193  
 .410 -.1282 -.1324 -.1303 -.1227  
 .590 -.1303 -.1303 -.1303 -.1261  
 .770 -.1261 -.1292 -.1261 -.1555  
 .878 -.1250 -.1250 -.1271 -.1250

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF07)

BETA ( 1 ) = -10.070 ALPHA ( 4 ) = 6.180 Q(PSF) = 42.880 PO/PSF = 2114.2 RUN NO = 35.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3062 | -.3862 | -.3714 | -.0935 |
| .230 | -.0863 | -.0873 | -.0831 | -.0694 |
| .410 | -.0759 | -.0821 | -.0789 | -.0746 |
| .590 | -.0800 | -.0800 | -.0800 | -.0797 |
| .770 | -.0789 | -.0758 | -.0779 | -.1084 |
| .878 | -.0789 | -.0768 | -.0758 | -.0768 |

BETA ( 1 ) = -10.070 ALPHA ( 5 ) = 8.270 Q(PSF) = 42.880 PO/PSF = 2114.2 RUN NO = 35.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2568 | -.3694 | -.5157 | -.0418 |
| .230 | -.0263 | -.0379 | -.0389 | -.0159 |
| .410 | -.0263 | -.0316 | -.0284 | -.0297 |
| .590 | -.0295 | -.0295 | -.0295 | -.0314 |
| .770 | -.0263 | -.0231 | -.0284 | -.0579 |
| .878 | -.0252 | -.0252 | -.0263 | -.0274 |

BETA ( 1 ) = -10.070 ALPHA ( 6 ) = 10.330 Q(PSF) = 42.880 PO/PSF = 2114.2 RUN NO = 35.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1976 | -.2902 | -.4458 | .0082  |
| .230 | .0336  | .0178  | .0157  | .0323  |
| .410 | .0272  | .0230  | .0251  | .0237  |
| .590 | .0230  | .0241  | .0230  | .0220  |
| .770 | .0272  | .0304  | .0283  | -.0010 |
| .878 | .0272  | .0272  | .0262  | .0251  |

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DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF07)

BETA ( 2 ) = -5.050 ALPHA ( 1 ) = -.310 Q(PSF) = 42.928 PO/PSF = 2114.1 RUN NO = 34.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4427 | -.5561 | -.5802 | -.1879 |
| .230 | -.1710 | -.1909 | -.1825 | -.1776 |
| .410 | -.1742 | -.1752 | -.1742 | -.1673 |
| .590 | -.1783 | -.1815 | -.1794 | -.1759 |
| .770 | -.1763 | -.1763 | -.1783 | -.1742 |
| .878 | -.1742 | -.1794 | -.1773 | -.1773 |

BETA ( 2 ) = -5.050 ALPHA ( 2 ) = 2.090 Q(PSF) = 42.928 PO/PSF = 2114.1 RUN NO = 34.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3851 | -.4703 | -.5429 | -.1470 |
| .230 | -.1210 | -.1399 | -.1368 | -.1332 |
| .410 | -.1273 | -.1305 | -.1294 | -.1298 |
| .590 | -.1326 | -.1336 | -.1315 | -.1332 |
| .770 | -.1336 | -.1326 | -.1326 | -.1315 |
| .878 | -.1305 | -.1315 | -.1336 | -.1315 |

BETA ( 2 ) = -5.040 ALPHA ( 3 ) = 4.090 Q(PSF) = 42.928 PO/PSF = 2114.1 RUN NO = 34.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3277 | -.3949 | -.4569 | -.1020 |
| .230 | -.0767 | -.0935 | -.0903 | -.0761 |
| .410 | -.0798 | -.0840 | -.0830 | -.0813 |
| .590 | -.0872 | -.0882 | -.0851 | -.0865 |
| .770 | -.0872 | -.0851 | -.0851 | -.0924 |
| .878 | -.0851 | -.0861 | -.0851 | -.0851 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF07)

BETA ( 2 ) = -5.040 ALPHA ( 4 ) = 6.200 Q(PSF) = 42.928 PO/PSF = 2114.1 RUN NO = 34.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2681 | -.3332 | -.4279 | -.0590 |
| .230 | -.0263 | -.0420 | -.0420 | -.0262 |
| .410 | -.0326 | -.0347 | -.0315 | -.0331 |
| .590 | -.0378 | -.0378 | -.0368 | -.0383 |
| .770 | -.0378 | -.0347 | -.0347 | -.0504 |
| .878 | -.0399 | -.0347 | -.0368 | -.0357 |

BETA ( 2 ) = -5.040 ALPHA ( 5 ) = 6.270 Q(PSF) = 42.928 PO/PSF = 2114.1 RUN NO = 34.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2131 | -.2698 | -.3486 | -.0038 |
| .230 | .0220  | .0052  | .0041  | .0254  |
| .410 | .0125  | .0115  | .0146  | .0185  |
| .590 | .0083  | .0094  | .0083  | .0099  |
| .770 | .0062  | .0125  | .0104  | -.0021 |
| .878 | .0052  | .0136  | .0115  | .0115  |

BETA ( 2 ) = -5.040 ALPHA ( 6 ) = 10.310 Q(PSF) = 42.928 PO/PSF = 2114.1 RUN NO = 34.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |       |
|------|--------|--------|--------|-------|
| .050 | -.1577 | -.1976 | -.2975 | .0461 |
| .230 | .0661  | .0546  | .0535  | .0719 |
| .410 | .0598  | .0598  | .0630  | .0650 |
| .590 | .0556  | .0588  | .0577  | .0582 |
| .770 | .0556  | .0609  | .0598  | .0441 |
| .878 | .0546  | .0630  | .0619  | .0609 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

PAGE 1118

OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF07)

BETA ( 3 ) = .000 ALPHA ( 1 ) = .000 Q(PSF) = 42.928 PO/PSF = 2114.1 RUN NO = 33.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3618 | -.4081 | -.5386 | -.1453 |
| .230 | -.1315 | -.1452 | -.1399 | -.1401 |
| .410 | -.1304 | -.1304 | -.1294 | -.1263 |
| .590 | -.1357 | -.1388 | -.1367 | -.1263 |
| .770 | -.1399 | -.1399 | -.1388 | -.1294 |
| .878 | -.1399 | -.1399 | -.1409 | -.1388 |

BETA ( 3 ) = .000 ALPHA ( 2 ) = 2.050 Q(PSF) = 42.928 PO/PSF = 2114.1 RUN NO = 33.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3195 | -.3458 | -.4687 | -.1089 |
| .230 | -.0904 | -.1009 | -.0988 | -.0917 |
| .410 | -.0914 | -.0904 | -.0883 | -.0831 |
| .590 | -.0935 | -.0977 | -.0956 | -.0865 |
| .770 | -.0988 | -.0977 | -.0956 | -.0872 |
| .878 | -.0988 | -.0977 | -.0977 | -.0967 |

BETA ( 3 ) = .000 ALPHA ( 3 ) = 4.080 Q(PSF) = 42.928 PO/PSF = 2114.1 RUN NO = 33.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2758 | -.2821 | -.4021 | -.0711 |
| .230 | -.0505 | -.0568 | -.0589 | -.0452 |
| .410 | -.0516 | -.0516 | -.0463 | -.0452 |
| .590 | -.0526 | -.0526 | -.0526 | -.0470 |
| .770 | -.0558 | -.0526 | -.0537 | -.0484 |
| .878 | -.0579 | -.0547 | -.0558 | -.0547 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

PAGE 1119

OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF07)

BETA ( 3 ) = .000 ALPHA ( 4 ) = 6.170 Q(PSF) = 42.928 PO/PSF = 2114.1 RUN NO = 33.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2235 | -.2256 | -.3295 | -.0262 |
| .230 | -.0042 | -.0073 | -.0136 | -.0004 |
| .410 | -.0094 | -.0073 | -.0042 | -.0038 |
| .590 | -.0073 | -.0073 | -.0063 | -.0072 |
| .770 | -.0126 | -.0063 | -.0094 | -.0084 |
| .878 | -.0126 | -.0052 | -.0094 | -.0073 |

BETA ( 3 ) = .000 ALPHA ( 5 ) = 8.290 Q(PSF) = 42.928 PO/PSF = 2114.1 RUN NO = 33.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |       |
|------|--------|--------|--------|-------|
| .050 | -.1781 | -.1634 | -.2744 | .0322 |
| .230 | .0429  | .0429  | .0334  | .0494 |
| .410 | .0334  | .0376  | .0397  | .0476 |
| .590 | .0334  | .0387  | .0376  | .0425 |
| .770 | .0355  | .0397  | .0397  | .0334 |
| .878 | .0355  | .0429  | .0397  | .0408 |

BETA ( 3 ) = .000 ALPHA ( 6 ) = 10.350 Q(PSF) = 42.928 PO/PSF = 2114.1 RUN NO = 33.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |       |
|------|--------|--------|--------|-------|
| .050 | -.1514 | -.0946 | -.2250 | .0754 |
| .230 | .0819  | .0893  | .0693  | .0788 |
| .410 | .0725  | .0788  | .0777  | .0806 |
| .590 | .0735  | .0798  | .0798  | .0823 |
| .770 | .0767  | .0851  | .0830  | .0872 |
| .878 | .0767  | .0903  | .0924  | .0893 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF07)

BETA ( 4 ) = 5.030 ALPHA ( 1 ) = -.010 Q(PSF) = 42.877 PO/PSF = 2114.0 RUN NO = 32.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2875 | -.2980 | -.4170 | -.1161 |
| .230 | -.1064 | -.1053 | -.1074 | -.1092 |
| .410 | -.1074 | -.1042 | -.1000 | -.0988 |
| .590 | -.1053 | -.1042 | -.1053 | -.0988 |
| .770 | -.1064 | -.1064 | -.1074 | -.1011 |
| .878 | -.1074 | -.1074 | -.1095 | -.1074 |

BETA ( 4 ) = 5.030 ALPHA ( 2 ) = 2.010 Q(PSF) = 42.877 PO/PSF = 2114.0 RUN NO = 32.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2543 | -.2501 | -.3667 | -.0796 |
| .230 | -.0683 | -.0620 | -.0704 | -.0607 |
| .410 | -.0757 | -.0672 | -.0630 | -.0555 |
| .590 | -.0704 | -.0630 | -.0630 | -.0572 |
| .770 | -.0683 | -.0651 | -.0704 | -.0620 |
| .878 | -.0651 | -.0630 | -.0672 | -.0693 |

BETA ( 4 ) = 5.030 ALPHA ( 3 ) = 4.100 Q(PSF) = 42.877 PO/PSF = 2114.0 RUN NO = 32.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2157 | -.1799 | -.3252 | -.0401 |
| .230 | -.0347 | -.0179 | -.0326 | -.0245 |
| .410 | -.0431 | -.0295 | -.0263 | -.0245 |
| .590 | -.0400 | -.0263 | -.0284 | -.0297 |
| .770 | -.0316 | -.0242 | -.0263 | -.0263 |
| .878 | -.0273 | -.0179 | -.0242 | -.0273 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

PAGE 1121

0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF07)

BETA ( 4 ) = 5.030 ALPHA ( 4 ) = 6.170 Q(PSF) = 42.877 PO/PSF = 2114.0 RUN NO = 32.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2483 | -.1084 | -.1988 | .0013  |
| .230 | -.0084 | .0136  | .0062  | -.0055 |
| .410 | -.0063 | .0073  | .0062  | .0082  |
| .590 | -.0074 | .0052  | .0094  | .0116  |
| .770 | -.0063 | .0094  | .0125  | .0125  |
| .878 | -.0052 | .0157  | .0294  | .0336  |

BETA ( 4 ) = 5.030 ALPHA ( 5 ) = 8.230 Q(PSF) = 42.877 PO/PSF = 2114.0 RUN NO = 32.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |       |
|------|--------|--------|--------|-------|
| .050 | -.1988 | -.0757 | -.1357 | .0358 |
| .230 | .0199  | .0525  | .0525  | .0306 |
| .410 | .0357  | .0504  | .0451  | .0409 |
| .590 | .0315  | .0473  | .0504  | .0496 |
| .770 | .0325  | .0483  | .0525  | .0557 |
| .878 | .0283  | .0483  | .0662  | .0778 |

BETA ( 4 ) = 5.030 ALPHA ( 6 ) = 10.310 Q(PSF) = 42.877 PO/PSF = 2114.0 RUN NO = 32.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |       |
|------|--------|--------|--------|-------|
| .050 | -.1682 | -.0504 | -.0725 | .0668 |
| .230 | .0483  | .0892  | .0945  | .0702 |
| .410 | .0745  | .0945  | .0850  | .0823 |
| .590 | .0714  | .0871  | .0871  | .0961 |
| .770 | .0703  | .0850  | .0935  | .0977 |
| .878 | .0640  | .0871  | .1061  | .1176 |



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TABULATED PRESSURE DATA - OA163 ( NAAL-731 )

PAGE 1122

OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF07)

BETA ( 5 ) = 10.110 ALPHA ( 1 ) = .000 Q(PSF) = 42.858 PO/PSF = 2114.1 RUN NO = 31.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3370 | -.1938 | -.3360 | -.0867 |
| .230 | -.1011 | -.0706 | -.0842 | -.0815 |
| .410 | -.1074 | -.0842 | -.0821 | -.0781 |
| .590 | -.0969 | -.0832 | -.0811 | -.0798 |
| .770 | -.0895 | -.0800 | -.0779 | -.0832 |
| .878 | -.0821 | -.0653 | -.0727 |        |

BETA ( 5 ) = 10.110 ALPHA ( 2 ) = 2.040 Q(PSF) = 42.858 PO/PSF = 2114.1 RUN NO = 31.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4475 | -.1737 | -.2106 | -.0453 |
| .230 | -.0779 | -.0421 | -.0368 | -.0608 |
| .410 | -.0663 | -.0421 | -.0463 | -.0453 |
| .590 | -.0653 | -.0495 | -.0463 | -.0418 |
| .770 | -.0590 | -.0463 | -.0421 | -.0390 |
| .878 | -.0569 | -.0379 | -.0221 | -.0084 |

BETA ( 5 ) = 10.110 ALPHA ( 3 ) = 4.100 Q(PSF) = 42.858 PO/PSF = 2114.1 RUN NO = 31.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4009 | -.1536 | -.1357 | -.0176 |
| .230 | -.0526 | -.0095 | .0041  | -.0331 |
| .410 | -.0273 | .0010  | -.0095 | -.0055 |
| .590 | -.0252 | -.0095 | -.0095 | -.0004 |
| .770 | -.0242 | -.0095 | -.0021 | .0000  |
| .878 | -.0231 | -.0042 | .0157  | .0304  |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

PAGE 1123

OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF07)

BETA ( 5 ) = 10.110 ALPHA ( 4 ) = 6.210 Q(PSF) = 42.858 PO/PSF = 2114.1 RUN NO = 31.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |       |
|------|--------|--------|--------|-------|
| .050 | -.4022 | -.1369 | -.0474 | .0116 |
| .230 | -.0200 | .0262  | .0441  | .0013 |
| .410 | .0104  | .0483  | .0315  | .0341 |
| .590 | .0125  | .0336  | .0315  | .0479 |
| .770 | .0147  | .0315  | .0368  | .0410 |
| .878 | .0157  | .0315  | .0526  | .0684 |

BETA ( 5 ) = 10.110 ALPHA ( 5 ) = 8.250 Q(PSF) = 42.858 PO/PSF = 2114.1 RUN NO = 31.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |       |       |
|------|--------|--------|-------|-------|
| .050 | -.5489 | -.1398 | .0000 | .0289 |
| .230 | .0094  | .0630  | .0746 | .0306 |
| .410 | .0430  | .0861  | .0693 | .0702 |
| .590 | .0556  | .0704  | .0672 | .0840 |
| .770 | .0546  | .0651  | .0767 | .0756 |
| .878 | .0472  | .0662  | .0893 | .1009 |

BETA ( 5 ) = 10.100 ALPHA ( 6 ) = 10.330 Q(PSF) = 42.858 PO/PSF = 2114.1 RUN NO = 31.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |       |       |
|------|--------|--------|-------|-------|
| .050 | -.3889 | -.1251 | .0251 | .0806 |
| .230 | .0346  | .0977  | .1145 | .0633 |
| .410 | .0703  | .1197  | .1029 | .1081 |
| .590 | .0903  | .1019  | .1040 | .1185 |
| .770 | .0945  | .0977  | .1124 | .1092 |
| .878 | .0809  | .1008  | .1303 | .1387 |

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OF POOR QUALITY

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF08) / 03 FEB 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0405

## PARAMETRIC DATA

MACH = .170 ELEVON = .000  
 BDFLAP = .000 SPOBRK = 25.000  
 PHI-N = 15.000 THETAN = 2.000  
 PHI-M = 15.000 THETAM = 2.400

BETA ( 1 ) = -10.070 ALPHA ( 1 ) = .010 Q(PSF) = 42.867 PO/PSF = 2125.6 RUN NO = 156.00

## SECTION ( 1 ) MAIN LND GR DR-1

## DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

## X/CML

.050 -.5719 -.7265 -1.1344 -.2969  
 .230 -.2744 -.2681 -.2986 -.2452  
 .410 -.2670 -.2786 -.2744 -.2624  
 .590 -.2649 -.2723 -.2754 -.2710  
 .770 -.2628 -.2681 -.2670 -.2733  
 .878 -.2586 -.2618 -.2628 -.2628

BETA ( 1 ) = -10.070 ALPHA ( 2 ) = 2.090 Q(PSF) = 42.867 PO/PSF = 2125.6 RUN NO = 156.00

## SECTION ( 1 ) MAIN LND GR DR-1

## DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5420 .8530

## X/CML

.050 -.5114 -.6461 -1.0187 -.2471  
 .230 -.2357 -.2115 -.2494 -.2340  
 .410 -.2157 -.2284 -.2273 -.2092  
 .590 -.2168 -.2210 -.2305 -.2230  
 .770 -.2136 -.2168 -.2189 -.2252  
 .878 -.2084 -.2126 -.2178 -.2147

BETA ( 1 ) = -10.070 ALPHA ( 3 ) = 4.130 Q(PSF) = 42.867 PO/PSF = 2125.6 RUN NO = 156.00

## SECTION ( 1 ) MAIN LND GR DR-1

## DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

## X/CML

.050 -.4587 -.5747 -.9036 -.1958  
 .230 -.1856 -.1529 -.1982 -.1577  
 .410 -.1624 -.1782 -.1782 -.1629  
 .590 -.1655 -.1719 -.1782 -.1750  
 .770 -.1624 -.1676 -.1698 -.1782  
 .878 -.1592 -.1645 -.1708 -.1663

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF08)

BETA ( 1 ) = -10.070 ALPHA ( 4 ) = 6.220 Q(PSF) = 42.867 PO/PSF = 2125.6 RUN NO = 156.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3985 | -.4965 | -.7780 | -.1456 |
| .230 | -.1328 | -.0854 | -.1434 | -.1110 |
| .410 | -.1044 | -.1223 | -.1191 | -.1075 |
| .590 | -.1138 | -.1223 | -.1265 | -.1231 |
| .770 | -.1138 | -.1160 | -.1181 | -.1297 |
| .878 | -.1086 | -.1107 | -.1191 | -.1181 |

BETA ( 1 ) = -10.080 ALPHA ( 5 ) = 8.300 Q(PSF) = 42.867 PO/PSF = 2125.6 RUN NO = 156.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0588 | -.0577 | -.0619 | -.0658 |
| .230 | -.0556 | -.0546 | -.0672 | -.1363 |
| .410 | -.0693 | -.3400 | -.4145 | -.0714 |
| .590 | -.0441 | -.0661 | -.0136 | -.0588 |
| .770 | -.0556 | -.0399 | -.0619 | -.0619 |
| .878 | -.0965 | -.0567 | -.0651 | -.0693 |

BETA ( 1 ) = -10.070 ALPHA ( 6 ) = 10.360 Q(PSF) = 42.867 PO/PSF = 2125.6 RUN NO = 156.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2816 | -.3300 | -.5391 | -.0314 |
| .230 | .0020  | .0598  | -.0273 | -.0021 |
| .410 | .0220  | -.0010 | -.0063 | .0099  |
| .590 | -.0010 | -.0115 | -.0126 | -.0107 |
| .770 | -.0010 | .0000  | .0000  | -.0158 |
| .878 | -.0010 | .0073  | -.0084 | -.0042 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF08)

BETA ( 2 ) = -5.050 ALPHA ( 1 ) = .020 Q(PSF) = 42.923 PO/PSF = 2125.5 RUN NO = 157.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5717 | -.6653 | -.9785 | -.2382 |
| .230 | -.1755 | -.1955 | -.2438 | -.1986 |
| .410 | -.1913 | -.2228 | -.2228 | -.2055 |
| .590 | -.2081 | -.2217 | -.2238 | -.2210 |
| .770 | -.2154 | -.2196 | -.2249 | -.2238 |
| .878 | -.2091 | -.2133 | -.2238 | -.2207 |

BETA ( 2 ) = -5.050 ALPHA ( 2 ) = 2.070 Q(PSF) = 42.923 PO/PSF = 2125.5 RUN NO = 157.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5103 | -.5849 | -.8558 | -.1932 |
| .230 | -.1407 | -.1270 | -.1932 | -.1467 |
| .410 | -.1396 | -.1690 | -.1743 | -.1553 |
| .590 | -.1606 | -.1722 | -.1764 | -.1726 |
| .770 | -.1638 | -.1690 | -.1743 | -.1701 |
| .878 | -.1617 | -.1596 | -.1732 | -.1711 |

BETA ( 2 ) = -5.050 ALPHA ( 3 ) = 4.160 Q(PSF) = 42.923 PO/PSF = 2125.5 RUN NO = 157.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4502 | -.4990 | -.7363 | -.1435 |
| .230 | -.0999 | -.0631 | -.1388 | -.0952 |
| .410 | -.0882 | -.1157 | -.1209 | -.1038 |
| .590 | -.1094 | -.1241 | -.1262 | -.1211 |
| .770 | -.1125 | -.1178 | -.1199 | -.1199 |
| .878 | -.1115 | -.1062 | -.1220 | -.1178 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF08)

BETA ( 2 ) = -5.050 ALPHA ( 4 ) = 6.240 Q(PSF) = 42.923 PO/PSF = 2125.5 RUN NO = 157.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3895 | -.4179 | -.6189 | -.0953 |
| .230 | -.0558 | .0083  | -.0853 | -.0470 |
| .410 | -.0337 | -.0621 | -.0653 | -.0521 |
| .590 | -.0579 | -.0737 | -.0758 | -.0746 |
| .770 | -.0589 | -.0631 | -.0705 | -.0747 |
| .878 | -.0589 | -.0537 | -.0695 | -.0642 |

BETA ( 2 ) = -5.050 ALPHA ( 5 ) = 8.280 Q(PSF) = 42.923 PO/PSF = 2125.5 RUN NO = 157.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3254 | -.3348 | -.5154 | -.0417 |
| .230 | -.0084 | .0702  | -.0388 | -.0124 |
| .410 | .0104  | -.0073 | -.0189 | -.0141 |
| .590 | -.0136 | -.0262 | -.0315 | -.0279 |
| .770 | -.0136 | -.0105 | -.0147 | -.0126 |
| .878 | -.0115 | .0000  | -.0010 | -.0042 |

BETA ( 2 ) = -5.050 ALPHA ( 6 ) = 10.340 Q(PSF) = 42.923 PO/PSF = 2125.5 RUN NO = 157.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |       |
|------|--------|--------|--------|-------|
| .050 | -.2581 | -.2581 | -.4281 | .0116 |
| .230 | .0345  | .1363  | .0146  | .0288 |
| .410 | .0555  | .0461  | .0272  | .0305 |
| .590 | .0356  | .0240  | .0240  | .0322 |
| .770 | .0356  | .0366  | .0366  | .0503 |
| .878 | .0345  | .0482  | .0566  | .0597 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF08)

BETA ( 3 ) = .000 ALPHA ( 1 ) = .000 Q(PSF) = 42.883 PO/PSF = 2125.4 RUN NO = 155.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0700 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5080 | -.5469 | -.7173 | -.2263 |
| .230 | -.1546 | -.1083 | -.1841 | -.1522 |
| .410 | -.1409 | -.1630 | -.1651 | -.1628 |
| .590 | -.1588 | -.1693 | -.1704 | -.1625 |
| .770 | -.1620 | -.1693 | -.1756 | -.1599 |
| .878 | -.1599 | -.1662 | -.1767 | -.1735 |

BETA ( 3 ) = .000 ALPHA ( 2 ) = 2.070 Q(PSF) = 42.883 PO/PSF = 2125.4 RUN NO = 155.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4625 | -.4857 | -.6574 | -.1593 |
| .230 | -.1032 | -.0579 | -.1380 | -.1075 |
| .410 | -.1043 | -.1180 | -.1222 | -.1144 |
| .590 | -.1169 | -.1254 | -.1275 | -.1230 |
| .770 | -.1148 | -.1201 | -.1285 | -.1222 |
| .878 | -.1138 | -.1117 | -.1264 | -.1254 |

BETA ( 3 ) = .000 ALPHA ( 3 ) = 4.130 Q(PSF) = 42.883 PO/PSF = 2125.4 RUN NO = 155.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4036 | -.4141 | -.5844 | -.0969 |
| .230 | -.0494 | .0094  | -.0935 | -.0883 |
| .410 | -.0599 | -.0641 | -.0788 | -.0779 |
| .590 | -.0746 | -.0820 | -.0830 | -.0814 |
| .770 | -.0704 | -.0715 | -.0746 | -.0694 |
| .878 | -.0662 | -.0536 | -.0546 | -.0515 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF08)

BETA ( 3 ) = .000 ALPHA ( 4 ) = 6.200 Q(PSF) = 42.883 P0/PSF = 2125.4 RUN NO = 155.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3528 | -.3402 | -.4897 | -.0677 |
| .230 | .0031  | .0684  | -.0453 | -.0435 |
| .410 | -.0200 | -.0158 | -.0337 | -.0349 |
| .590 | -.0226 | -.0379 | -.0358 | -.0314 |
| .770 | -.0253 | -.0263 | -.0242 | -.0179 |
| .878 | -.0221 | -.0105 | -.0021 | .0052  |

BETA ( 3 ) = .000 ALPHA ( 5 ) = 8.280 Q(PSF) = 42.883 P0/PSF = 2125.4 RUN NO = 155.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3099 | -.2668 | -.4202 | -.0193 |
| .230 | .0640  | .1165  | .0020  | .0030  |
| .410 | .0230  | .0293  | .0125  | .0133  |
| .590 | .0125  | .0104  | .0136  | .0185  |
| .770 | .0157  | .0209  | .0241  | .0335  |
| .878 | .0178  | .0356  | .0461  | .0556  |

BETA ( 3 ) = .000 ALPHA ( 6 ) = 10.340 Q(PSF) = 42.883 P0/PSF = 2125.4 RUN NO = 155.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |       |
|------|--------|--------|--------|-------|
| .050 | -.2899 | -.1964 | -.3403 | .0305 |
| .230 | .1049  | .1459  | .0493  | .0460 |
| .410 | .0629  | .0734  | .0566  | .0564 |
| .590 | .0535  | .0566  | .0587  | .0684 |
| .770 | .0566  | .0650  | .0703  | .0776 |
| .878 | .0556  | .0797  | .0934  | .1049 |



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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF00)

BETA ( 4 ) = 5.000 ALPHA ( 1 ) = .000 Q(PSF) = 42.867 PO/PSF = 2125.4 RUN NO = 158.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5249 | -.4355 | -.4849 | -.1470 |
| .230 | -.0831 | -.0578 | -.1315 | -.1384 |
| .410 | -.1168 | -.1125 | -.1178 | -.1125 |
| .590 | -.1210 | -.1241 | -.1304 | -.1297 |
| .770 | -.1094 | -.1115 | -.1210 | -.1252 |
| .878 | -.1062 | -.0915 | -.0978 | -.1062 |

BETA ( 4 ) = 5.000 ALPHA ( 2 ) = 2.070 Q(PSF) = 42.867 PO/PSF = 2125.4 RUN NO = 158.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5020 | -.3683 | -.4799 | -.1143 |
| .230 | -.0473 | -.0158 | -.0947 | -.1091 |
| .410 | -.0810 | -.0705 | -.0831 | -.0797 |
| .590 | -.0873 | -.0842 | -.0852 | -.0815 |
| .770 | -.0779 | -.0726 | -.0737 | -.0758 |
| .878 | -.0716 | -.0558 | -.0505 | -.0452 |

BETA ( 4 ) = 5.000 ALPHA ( 3 ) = 4.130 Q(PSF) = 42.867 PO/PSF = 2125.4 RUN NO = 158.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4802 | -.3075 | -.4149 | -.0625 |
| .230 | -.0116 | .0241  | -.0495 | -.0712 |
| .410 | -.0390 | -.0305 | -.0432 | -.0401 |
| .590 | -.0474 | -.0463 | -.0400 | -.0349 |
| .770 | -.0442 | -.0347 | -.0284 | -.0274 |
| .878 | -.0432 | -.0179 | .0000  | .0115  |

DATE 17 MAY 76

## TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

PAGE 1131

OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF08)

BETA ( 4 ) = 5.000 ALPHA ( 4 ) = 6.200 Q(PSF) = 42.867 PO/PSF = 2125.4 RUN NO = 158.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4561 | -.2791 | -.3276 | -.0280 |
| .230 | .0241  | .0589  | .0010  | -.0349 |
| .410 | .0073  | .0178  | .0031  | -.0004 |
| .590 | -.0074 | -.0031 | .0041  | .0116  |
| .770 | -.0084 | -.0010 | .0189  | .0241  |
| .878 | -.0116 | .0126  | .0473  | .0663  |

BETA ( 4 ) = 5.000 ALPHA ( 5 ) = 8.260 Q(PSF) = 42.867 PO/PSF = 2125.4 RUN NO = 158.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |       |
|------|--------|--------|--------|-------|
| .050 | -.4304 | -.2383 | -.2351 | .0099 |
| .230 | .0545  | .0902  | .0503  | .0064 |
| .410 | .0503  | .0639  | .0471  | .0426 |
| .590 | .0388  | .0409  | .0492  | .0581 |
| .770 | .0325  | .0377  | .0608  | .0713 |
| .878 | .0230  | .0482  | .0891  | .1185 |

BETA ( 4 ) = 5.000 ALPHA ( 6 ) = 10.370 Q(PSF) = 42.867 PO/PSF = 2125.4 RUN NO = 158.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |       |
|------|--------|--------|--------|-------|
| .050 | -.4116 | -.2169 | -.1705 | .0531 |
| .230 | .0915  | .1294  | .0978  | .0531 |
| .410 | .0936  | .1157  | .0905  | .0859 |
| .590 | .0862  | .0883  | .0936  | .1100 |
| .770 | .0736  | .0820  | .1052  | .1210 |
| .878 | .0578  | .0862  | .1315  | .1694 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF08)

BETA ( 5 ) = 10.050 ALPHA ( 1 ) = .000 Q(P5F) = 42.887 PO/P5F = 2125.5 RUN NO = 159.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5580 | -.3780 | -.3232 | -.1022 |
| .230 | -.0811 | -.0495 | -.0853 | -.1264 |
| .410 | -.0905 | -.0737 | -.0811 | -.0815 |
| .590 | -.0979 | -.0884 | -.0853 | -.0867 |
| .770 | -.0937 | -.0832 | -.0716 | -.0758 |
| .878 | -.0895 | -.0632 | -.0442 | -.0368 |

BETA ( 5 ) = 10.050 ALPHA ( 2 ) = 2.080 Q(P5F) = 42.887 PO/P5F = 2125.5 RUN NO = 159.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6498 | -.3869 | -.2923 | -.0797 |
| .230 | -.0441 | -.0042 | -.0357 | -.0883 |
| .410 | -.0378 | -.0147 | -.0368 | -.0348 |
| .590 | -.0505 | -.0410 | -.0347 | -.0262 |
| .770 | -.0568 | -.0410 | -.0221 | -.0147 |
| .878 | -.0662 | -.0347 | .0094  | .0504  |

BETA ( 5 ) = 10.050 ALPHA ( 3 ) = 4.130 Q(P5F) = 42.887 PO/P5F = 2125.5 RUN NO = 159.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5993 | -.3209 | -.2894 | -.0228 |
| .230 | -.0031 | .0462  | .0136  | -.0590 |
| .410 | .0041  | .0357  | .0073  | .0064  |
| .590 | -.0010 | .0083  | .0083  | .0254  |
| .770 | -.0179 | -.0010 | .0157  | .0325  |
| .878 | -.0358 | -.0010 | .0525  | .1115  |

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

PAGE 1133

0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFF08)

BETA ( 5 ) = 10.050 ALPHA ( 4 ) = 6.200 Q(PSF) = 42.887 PO/PSF = 2125.5 RUN NO = 159.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5231 | -.2610 | -.2294 | .0237  |
| .230 | .0325  | .0873  | .0610  | -.0297 |
| .410 | .0462  | .0788  | .0483  | .0479  |
| .590 | .0441  | .0504  | .0462  | .0720  |
| .770 | .0294  | .0357  | .0567  | .0767  |
| .878 | .0000  | .0294  | .0946  | .1573  |

BETA ( 5 ) = 10.050 ALPHA ( 5 ) = 8.280 Q(PSF) = 42.887 PO/PSF = 2125.5 RUN NO = 159.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |       |
|------|--------|--------|--------|-------|
| .050 | -.4528 | -.2070 | -.1534 | .0581 |
| .230 | .0629  | .1239  | .1092  | .0013 |
| .410 | .0787  | .1165  | .0861  | .0805 |
| .590 | .0840  | .0892  | .0808  | .1115 |
| .770 | .0640  | .0714  | .0955  | .1144 |
| .878 | .0283  | .0587  | .1323  | .2022 |

BETA ( 5 ) = 10.050 ALPHA ( 6 ) = 10.320 Q(PSF) = 42.887 PO/PSF = 2125.5 RUN NO = 159.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |       |
|------|--------|--------|--------|-------|
| .050 | -.3876 | -.1449 | -.1008 | .0977 |
| .230 | .0923  | .1564  | .1533  | .0271 |
| .410 | .1165  | .1533  | .1207  | .1184 |
| .590 | .1281  | .1281  | .1176  | .1511 |
| .770 | .0944  | .1060  | .1344  | .1533 |
| .878 | .0535  | .0923  | .1753  | .2477 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF09) ( 03 FEB 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ. FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8100 INCHES YMRP = .0003 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0405

## PARAMETRIC DATA

MACH = .170 ELEVON = .000  
 BDFLAP = .000 SPDBRK = 25.000  
 PHI-N = 20.000 THETAN = 2.900  
 PHI-M = 20.000 THETAM = 3.100

BETA ( 1 ) = -10.050 ALPHA ( 1 ) = .000 Q(PSF) = 42.902 PO/PSF = 2125.6 RUN NO = 150.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.5953 -.7522 -1.1094 -.3010  
 .230 -.3782 -.2012 -.3213 -.2733  
 .410 -.2887 -.2929 -.2992 -.2751  
 .590 -.2887 -.2992 -.3024 -.3010  
 .770 -.2845 -.2897 -.2960 -.2876  
 .878 -.2813 -.2887 -.2939 -.2739

BETA ( 1 ) = -10.050 ALPHA ( 2 ) = 2.060 Q(PSF) = 42.902 PO/PSF = 2125.6 RUN NO = 150.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.5352 -.6689 -.9882 -.2491  
 .230 -.3097 -.1275 -.2676 -.2336  
 .410 -.2233 -.2349 -.2444 -.2267  
 .590 -.2318 -.2433 -.2486 -.2526  
 .770 -.2307 -.2360 -.2381 -.2328  
 .878 -.2286 -.2339 -.2402 -.2212

BETA ( 1 ) = -10.060 ALPHA ( 3 ) = 4.120 Q(PSF) = 42.902 PO/PSF = 2125.6 RUN NO = 150.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.4855 -.5832 -.8648 -.1882  
 .230 -.2280 -.0546 -.2081 -.1744  
 .410 -.1418 -.1734 -.1839 -.1623  
 .590 -.1755 -.1860 -.1891 -.1882  
 .770 -.1776 -.1807 -.1860 -.1734  
 .878 -.1776 -.1776 -.1797 -.1681

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF09)

BETA ( 1 ) = -10.060 ALPHA ( 4 ) = 6.200 Q(PSF) = 42.902 PO/PSF = 2125.6 RUN NO = 150.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3 .0 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4397 | -.5028 | -.7469 | -.1280 |
| .230 | -.1641 | -.0158 | -.1483 | -.1159 |
| .410 | -.0642 | -.1094 | -.1273 | -.1021 |
| .590 | -.1178 | -.1336 | -.1357 | -.1315 |
| .770 | -.1231 | -.1241 | -.1283 | -.1147 |
| .878 | -.1252 | -.1189 | -.1241 | -.1136 |

BETA ( 1 ) = -10.060 ALPHA ( 5 ) = 8.290 Q(PSF) = 42.902 PO/PSF = 2125.6 RUN NO = 150.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3840 | -.4218 | -.6190 | -.0640 |
| .230 | -.1154 | .0146  | -.0839 | -.0657 |
| .410 | .0052  | -.0493 | -.0650 | -.0468 |
| .590 | -.0535 | -.0745 | -.0745 | -.0778 |
| .770 | -.0661 | -.0661 | -.0734 | -.0629 |
| .878 | -.0671 | -.0587 | -.0640 | -.0566 |

BETA ( 1 ) = -10.060 ALPHA ( 6 ) = 10.400 Q(PSF) = 42.902 PO/PSF = 2125.6 RUN NO = 150.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3260 | -.3334 | -.5126 | .0013  |
| .230 | -.0681 | .0429  | -.0199 | -.0107 |
| .410 | .0586  | .0146  | -.0084 | .0081  |
| .590 | .0031  | -.0178 | -.0178 | -.0193 |
| .770 | -.0052 | -.0073 | -.0126 | -.0042 |
| .878 | -.0073 | .0041  | -.0063 | -.0031 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF09)

BETA ( 2 ) = -5.030 ALPHA ( 1 ) = .000 Q(PSF) = 42.935 PO/PSF = 2125.5 RUN NO = 151.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6149 | -.6736 | -.9737 | -.2430 |
| .230 | -.2602 | -.0934 | -.2623 | -.2223 |
| .410 | -.1479 | -.2182 | -.2382 | -.2137 |
| .590 | -.2037 | -.2382 | -.2413 | -.2327 |
| .770 | -.2214 | -.2350 | -.2382 | -.2371 |
| .878 | -.2256 | -.2350 | -.2434 | -.2487 |

BETA ( 2 ) = -5.030 ALPHA ( 2 ) = 2.070 Q(PSF) = 42.935 PO/PSF = 2125.5 RUN NO = 151.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5625 | -.5687 | -.8521 | -.1948 |
| .230 | -.2235 | -.0650 | -.2057 | -.1621 |
| .410 | -.0955 | -.1647 | -.1857 | -.1604 |
| .590 | -.1532 | -.1857 | -.1920 | -.1793 |
| .770 | -.1689 | -.1836 | -.1878 | -.1868 |
| .878 | -.1721 | -.1826 | -.1899 | -.1962 |

BETA ( 2 ) = -5.030 ALPHA ( 3 ) = 4.140 Q(PSF) = 42.935 PO/PSF = 2125.5 RUN NO = 151.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5045 | -.5150 | -.7388 | -.1520 |
| .230 | -.1892 | -.0483 | -.1482 | -.1124 |
| .410 | -.0536 | -.1082 | -.1282 | -.1063 |
| .590 | -.1019 | -.1377 | -.1387 | -.1331 |
| .770 | -.1145 | -.1314 | -.1356 | -.1356 |
| .878 | -.1187 | -.1261 | -.1366 | -.1419 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF09)

BETA ( 2 ) = -5.030 ALPHA ( 4 ) = 6.210 Q(PSF) = 42.935 PO/PSF = 2125.5 RUN NO = 151.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4411 | -.4316 | -.6264 | -.1039 |
| .230 | -.1505 | -.0379 | -.0895 | -.0608 |
| .410 | -.0158 | -.0516 | -.0768 | -.0591 |
| .590 | -.0516 | -.0842 | -.0884 | -.0815 |
| .770 | -.0610 | -.0737 | -.0832 | -.0853 |
| .878 | -.0663 | -.0653 | -.0810 | -.0842 |

BETA ( 2 ) = -5.040 ALPHA ( 5 ) = 8.290 Q(PSF) = 42.935 PO/PSF = 2125.5 RUN NO = 151.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3723 | -.3502 | -.5226 | -.0555 |
| .230 | -.0946 | .0020  | -.0315 | -.0279 |
| .410 | .0252  | .0094  | -.0242 | -.0331 |
| .590 | -.0084 | -.0315 | -.0347 | -.0297 |
| .770 | -.0137 | -.0263 | -.0210 | -.0084 |
| .878 | -.0168 | -.0105 | .0041  | .0041  |

BETA ( 2 ) = -5.040 ALPHA ( 6 ) = 10.420 Q(PSF) = 42.935 PO/PSF = 2125.5 RUN NO = 151.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3083 | -.2621 | -.4037 | -.0107 |
| .230 | -.0314 | .0177  | .0303  | .0322  |
| .410 | .0649  | .0681  | .0303  | .0288  |
| .590 | .0408  | .0240  | .0219  | .0253  |
| .770 | .0377  | .0335  | .0345  | .0502  |
| .878 | .0335  | .0450  | .0565  | .0639  |



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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF09)

BETA ( 3 ) = .000 ALPHA ( 1 ) = .000 Q(PSF) = 42.942 PO/PSF = 2125.4 RUN NO = 152.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5759 | -.5759 | -.8241 | -.2270 |
| .230 | -.2492 | -.1204 | -.1937 | -.1635 |
| .410 | -.1236 | -.1529 | -.1843 | -.1635 |
| .590 | -.1550 | -.1822 | -.1812 | -.1704 |
| .770 | -.1613 | -.1853 | -.1927 | -.1780 |
| .878 | -.1665 | -.1822 | -.1948 | -.2010 |

BETA ( 3 ) = .000 ALPHA ( 2 ) = 2.070 Q(PSF) = 42.942 PO/PSF = 2125.4 RUN NO = 152.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5174 | -.5038 | -.7084 | -.2103 |
| .230 | -.1973 | -.0944 | -.1396 | -.1157 |
| .410 | -.0892 | -.0997 | -.1322 | -.1122 |
| .590 | -.1133 | -.1364 | -.1385 | -.1260 |
| .770 | -.1144 | -.1291 | -.1406 | -.1396 |
| .878 | -.1165 | -.1165 | -.1375 | -.1417 |

BETA ( 3 ) = .000 ALPHA ( 3 ) = 4.130 Q(PSF) = 42.942 PO/PSF = 2125.4 RUN NO = 152.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4734 | -.4313 | -.6165 | -.1591 |
| .230 | -.1094 | -.0379 | -.0915 | -.1108 |
| .410 | -.0473 | -.0473 | -.0873 | -.0883 |
| .590 | -.0736 | -.0894 | -.0968 | -.0935 |
| .770 | -.0726 | -.0810 | -.0820 | -.0778 |
| .878 | -.0736 | -.0642 | -.0515 | -.0473 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF09)

BETA ( 3 ) = .000 ALPHA ( 4 ) = 6.220 Q(PSF) = 42.942 PO/PSF = 2125.4 RUN NO = 152.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4221 | -.3505 | -.5052 | -.1039 |
| .230 | -.0410 | -.0221 | -.0326 | -.0573 |
| .410 | -.0084 | .0062  | -.0347 | -.0349 |
| .590 | -.0326 | -.0410 | -.0452 | -.0366 |
| .770 | -.0284 | -.0284 | -.0274 | -.0210 |
| .878 | -.0295 | -.0105 | .0020  | .0115  |

BETA ( 3 ) = .000 ALPHA ( 5 ) = 8.270 Q(PSF) = 42.942 PO/PSF = 2125.4 RUN NO = 152.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3820 | -.2750 | -.4188 | -.0262 |
| .230 | .0356  | .0220  | .0209  | -.0090 |
| .410 | .0356  | .0545  | .0136  | .0099  |
| .590 | .0136  | .0115  | .0062  | .0168  |
| .770 | .0146  | .0209  | .0220  | .0366  |
| .878 | .0104  | .0345  | .0524  | .0692  |

BETA ( 3 ) = .000 ALPHA ( 6 ) = 10.340 Q(PSF) = 42.942 PO/PSF = 2125.4 RUN NO = 152.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |       |
|------|--------|--------|--------|-------|
| .050 | -.3405 | -.2091 | -.3247 | .0254 |
| .230 | .0976  | .0945  | .0829  | .0392 |
| .410 | .0808  | .0955  | .0619  | .0547 |
| .590 | .0609  | .0567  | .0556  | .0685 |
| .770 | .0535  | .0661  | .0724  | .0861 |
| .878 | .0483  | .0766  | .1071  | .1239 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF09)

BETA ( 4 ) = 5.020 ALPHA ( 1 ) = .030 Q(PSF) = 42.938 PO/PSF = 2125.4 RUN NO = 153.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5920 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6124 | -.5065 | -.5547 | -.1861 |
| .230 | -.0829 | -.0608 | -.1269 | -.1483 |
| .410 | -.1059 | -.0965 | -.1227 | -.1087 |
| .590 | -.1174 | -.1248 | -.1374 | -.1293 |
| .770 | -.1070 | -.1122 | -.1216 | -.1353 |
| .878 | -.1122 | -.0902 | -.0912 | -.0986 |

BETA ( 4 ) = 5.020 ALPHA ( 2 ) = 2.070 Q(PSF) = 42.938 PO/PSF = 2125.4 RUN NO = 153.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5920 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5667 | -.4303 | -.5195 | -.1552 |
| .230 | -.0441 | -.0252 | -.0818 | -.1329 |
| .410 | -.0693 | -.0546 | -.0850 | -.0795 |
| .590 | -.0808 | -.0839 | -.0902 | -.0916 |
| .770 | -.0724 | -.0703 | -.0745 | -.0776 |
| .878 | -.0755 | -.0535 | -.0399 | -.0304 |

BETA ( 4 ) = 5.020 ALPHA ( 3 ) = 4.100 Q(PSF) = 42.938 PO/PSF = 2125.4 RUN NO = 153.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5920 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0420 | -.0441 | -.1451 | 5.7925 |
| .230 | -.0336 | -.0241 | -.0210 | -.1502 |
| .410 | -.0136 | .0167  | .0251  | -.1674 |
| .590 | -.5273 | -.3687 | -.4601 | -.1072 |
| .770 | .0000  | .0241  | -.0273 | -.0331 |
| .878 | -.0231 | -.0105 | -.0357 | .1786  |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF09)

BETA ( 4 ) = 5.020 ALPHA ( 4 ) = 6.210 Q(PSF) = 42.938 PO/PSF = 2125.4 RUN NO = 153.00

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5137 | -.3453 | -.3527 | -.0452 |
| .230 | .0336  | .0610  | .0304  | -.0418 |
| .410 | .0210  | .0336  | .0094  | .0082  |
| .590 | .0031  | -.0021 | .0041  | .0168  |
| .770 | -.0021 | .0041  | .0231  | .0315  |
| .878 | -.0147 | .0157  | .0641  | .0862  |

BETA ( 4 ) = 5.020 ALPHA ( 5 ) = 8.270 Q(PSF) = 42.938 PO/PSF = 2125.4 RUN NO = 153.00

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5004 | -.3238 | -.2681 | -.0193 |
| .230 | .0746  | .1019  | .0725  | .0047  |
| .410 | .0714  | .0798  | .0525  | .0495  |
| .590 | .0525  | .0451  | .0504  | .0633  |
| .770 | .0378  | .0430  | .0704  | .0861  |
| .878 | .0188  | .0451  | .1071  | .1460  |

BETA ( 4 ) = 5.020 ALPHA ( 6 ) = 10.350 Q(PSF) = 42.938 PO/PSF = 2125.4 RUN NO = 153.00

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |       |
|------|--------|--------|--------|-------|
| .050 | -.4619 | -.2561 | -.2026 | .0236 |
| .230 | .1133  | .1458  | .1259  | .0409 |
| .410 | .1185  | .1311  | .0975  | .0925 |
| .590 | .1028  | .0944  | .0986  | .1149 |
| .770 | .0807  | .0860  | .1154  | .1385 |
| .878 | .0493  | .0839  | .1479  | .2010 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF09)

BETA ( 5 ) = 10.080 ALPHA ( 1 ) = .000 Q(PSF) = 42.898 PO/PSF = 2125.5 RUN NO = 154.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6462 | -.4547 | -.3873 | -.1471 |
| .230 | -.0716 | -.0452 | -.0552 | -.1367 |
| .410 | -.0768 | -.0642 | -.0821 | -.0746 |
| .590 | -.0821 | -.0852 | -.0853 | -.0901 |
| .770 | -.0768 | -.0716 | -.0684 | -.0779 |
| .878 | -.0852 | -.0577 | -.0337 | -.0242 |

BETA ( 5 ) = 10.080 ALPHA ( 2 ) = 2.070 Q(PSF) = 42.898 PO/PSF = 2125.5 RUN NO = 154.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7009 | -.4928 | -.2900 | -.1486 |
| .230 | -.0168 | .0073  | -.0200 | -.1020 |
| .410 | -.0094 | .0031  | -.0263 | -.0176 |
| .590 | -.0263 | -.0336 | -.0336 | -.0228 |
| .770 | -.0399 | -.0368 | -.0147 | -.0094 |
| .878 | -.0651 | -.0336 | .0304  | .0693  |

BETA ( 5 ) = 10.080 ALPHA ( 3 ) = 4.130 Q(PSF) = 42.898 PO/PSF = 2125.5 RUN NO = 154.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6398 | -.4009 | -.3231 | -.0590 |
| .230 | .0399  | .0694  | .0346  | -.0711 |
| .410 | .0452  | .0557  | .0231  | .0220  |
| .590 | .0336  | .0210  | .0199  | .0341  |
| .770 | .0031  | .0062  | .0294  | .0525  |
| .878 | -.0368 | -.0105 | .0767  | .1515  |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF09)

BETA ( 5 ) = 10.080 ALPHA ( 4 ) = 6.200 Q(PSF) = 42.898 PO/PSF = 2125.5 RUN NO = 154.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5067 | -.2549 | -.2560 | .0203  |
| .230 | .0831  | .1263  | .1105  | -.0556 |
| .410 | .0916  | .0958  | .0642  | .0635  |
| .590 | .0800  | .0652  | .0568  | .0756  |
| .770 | .0347  | .0347  | .0715  | .1010  |
| .878 | -.0137 | .0147  | .1211  | .2090  |

BETA ( 5 ) = 10.080 ALPHA ( 5 ) = 8.280 Q(PSF) = 42.898 PO/PSF = 2125.5 RUN NO = 154.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4534 | -.2026 | -.1721 | .0563  |
| .230 | .1175  | .1490  | .1490  | -.0382 |
| .410 | .1353  | .1385  | .1007  | .0994  |
| .590 | .1269  | .1059  | .0975  | .1166  |
| .770 | .0671  | .0713  | .1091  | .1427  |
| .878 | .0094  | .0419  | .1616  | .2589  |

BETA ( 5 ) = 10.080 ALPHA ( 6 ) = 10.440 Q(PSF) = 42.898 PO/PSF = 2125.5 RUN NO = 154.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3788 | -.1480 | -.0850 | .0959  |
| .230 | .1573  | .1761  | .1803  | -.0262 |
| .410 | .1751  | .1772  | .1363  | .1372  |
| .590 | .1668  | .1489  | .1384  | .1579  |
| .770 | .1007  | .1059  | .1552  | .1834  |
| .878 | .0450  | .0713  | .1978  | .3106  |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF10) ( 05 APR 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0405

## PARAMETRIC DATA

MACH = .170 ELEVON = .000  
 SDFLAP = .000 SPDBRK = 25.000  
 PHI-N = 30.800 THETAN = 5.000  
 PHI-M = 32.200 THETAM = 5.000

BETA ( 1 ) = -10.060 ALPHA ( 1 ) = .010 Q(PSF) = 42.792 PO/PSF = 2131.0 RUN NO = 50.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.3152 -.3089 -.3142 -.3133  
 .230 -.3173 -.3078 -.3152 -.2078  
 .410 -.2762 -.3152 -.3226 -.3015  
 .590 -.2309 -.7021 -.7348 -.3036  
 .770 -.2246 -.1602 -.4438 -.2984  
 .878 -.1423 -.2878 -.2404 -.3047

BETA ( 1 ) = -10.060 ALPHA ( 2 ) = 2.080 Q(PSF) = 42.792 PO/PSF = 2131.0 RUN NO = 50.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.6347 -.6484 -.9521 -.2597  
 .230 -.3922 -.4122 -.2330 -.2165  
 .410 -.1117 -.1687 -.2446 -.2320  
 .590 -.2182 -.2488 -.2551 -.2632  
 .770 -.2541 -.2551 -.2615 -.2499  
 .878 -.2604 -.2604 -.2636 -.2541

BETA ( 1 ) = -10.070 ALPHA ( 3 ) = 4.130 Q(PSF) = 42.792 PO/PSF = 2131.0 RUN NO = 50.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.5724 -.5692 -.8449 -.2238  
 .230 -.3612 -.3696 -.1669 -.1597  
 .410 -.0813 -.0993 -.1859 -.1787  
 .590 -.1552 -.1838 -.2006 -.2065  
 .770 -.1954 -.2006 -.2070 -.1975  
 .878 -.2038 -.2091 -.2059 -.2102

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF10)

BETA ( 1 ) = -10.070 ALPHA ( 4 ) = 6.210 Q(PSF) = 42.792 PO/PSF = 2131.0 RUN NO = 50.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5185 | -.4932 | -.7409 | -.2112 |
| .230 | -.3246 | -.3119 | -.1012 | -.1041 |
| .410 | -.0495 | -.0369 | -.1275 | -.1179 |
| .590 | -.0948 | -.1265 | -.1402 | -.1455 |
| .770 | -.1370 | -.1391 | -.1475 | -.1380 |
| .878 | -.1433 | -.1528 | -.1465 | -.1602 |

BETA ( 1 ) = -10.070 ALPHA ( 5 ) = 8.290 Q(PSF) = 42.792 PO/PSF = 2131.0 RUN NO = 50.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4683 | -.4146 | -.6314 | -.2782 |
| .230 | -.2694 | -.2389 | -.0242 | -.0487 |
| .410 | -.0168 | .0178  | -.0694 | -.0608 |
| .590 | -.0431 | -.0652 | -.0873 | -.0884 |
| .770 | -.0726 | -.0768 | -.0905 | -.0726 |
| .878 | -.0884 | -.0884 | -.0905 | -.1105 |

BETA ( 1 ) = -10.070 ALPHA ( 6 ) = 10.350 Q(PSF) = 42.792 PO/PSF = 2131.0 RUN NO = 50.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4244 | -.3307 | -.5403 | -.1144 |
| .230 | -.2043 | -.1622 | .0452  | -.0228 |
| .410 | .0231  | .0684  | -.0189 | .0013  |
| .590 | .0094  | -.0031 | -.0253 | -.0314 |
| .770 | -.0116 | -.0147 | -.0316 | -.0200 |
| .878 | -.0274 | -.0189 | -.0274 | -.0453 |



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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF10)

BETA ( 2 ) = -5.040 ALPHA ( 1 ) = .000 Q(PSF) = 42.810 PO/PSF = 2130.9 RUN NO = 49.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6761 | -.6361 | -.9135 | -.2841 |
| .230 | -.4314 | -.4325 | -.2057 | -.2287 |
| .410 | -.1403 | -.1287 | -.2405 | -.2201 |
| .590 | -.1730 | -.2310 | -.2532 | -.2356 |
| .770 | -.2057 | -.2437 | -.2532 | -.2679 |
| .878 | -.2215 | -.2595 | -.2584 | -.2816 |

BETA ( 2 ) = -5.040 ALPHA ( 2 ) = 2.070 Q(PSF) = 42.810 PO/PSF = 2130.9 RUN NO = 49.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6498 | -.5666 | -.8162 | -.3026 |
| .230 | -.3886 | -.3707 | -.1411 | -.1748 |
| .410 | -.1179 | -.0800 | -.1843 | -.1662 |
| .590 | -.1327 | -.1748 | -.2001 | -.1817 |
| .770 | -.1569 | -.1864 | -.1980 | -.2233 |
| .878 | -.1727 | -.2022 | -.2075 | -.2327 |

BETA ( 2 ) = -5.050 ALPHA ( 3 ) = 4.110 Q(PSF) = 42.810 PO/PSF = 2130.9 RUN NO = 49.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6084 | -.4968 | -.7294 | -.2437 |
| .230 | -.3221 | -.2926 | -.0726 | -.1384 |
| .410 | -.0821 | -.0337 | -.1368 | -.1091 |
| .590 | -.0916 | -.1189 | -.1358 | -.1367 |
| .770 | -.1074 | -.1295 | -.1526 | -.1621 |
| .878 | -.1242 | -.1379 | -.1537 | -.1705 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF10)

BETA ( 2 ) = -5.050 ALPHA ( 4 ) = 6.180 Q(PSF) = 42.810 PO/PSF = 2130.9 RUN NO = 49.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5439 | -.4166 | -.6165 | -.3816 |
| .230 | -.2230 | -.2041 | .0031  | -.1401 |
| .410 | -.0337 | .0041  | -.0810 | -.0538 |
| .590 | -.0421 | -.0600 | -.0905 | -.0866 |
| .770 | -.0536 | -.0694 | -.0915 | -.0831 |
| .878 | -.0705 | -.0726 | -.0778 | -.0905 |

BETA ( 2 ) = -5.050 ALPHA ( 5 ) = 8.250 Q(PSF) = 42.810 PO/PSF = 2130.9 RUN NO = 49.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4856 | -.3526 | -.5205 | -.4696 |
| .230 | -.1235 | -.1193 | .0706  | -.1389 |
| .410 | .0136  | .0421  | -.0105 | -.0281 |
| .590 | .0000  | -.0063 | -.0274 | -.0350 |
| .770 | -.0074 | -.0137 | -.0285 | -.0411 |
| .878 | -.0253 | -.0169 | -.0042 | -.0105 |

BETA ( 2 ) = -5.050 ALPHA ( 6 ) = 10.350 Q(PSF) = 42.810 PO/PSF = 2130.9 RUN NO = 49.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4160 | -.2706 | -.4128 | -.5374 |
| .230 | -.0316 | -.0368 | .1305  | -.0850 |
| .410 | .0684  | .0831  | .0557  | .0375  |
| .590 | .0421  | .0452  | .0315  | .0306  |
| .770 | .0399  | .0420  | .0336  | .0578  |
| .878 | .0220  | .0378  | .0568  | .0515  |

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OF POOR QUALITY

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

PAGE 1148

0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF10)

BETA ( 3 ) = -.020 ALPHA ( 1 ) = .000 Q(PSF) = 42.810 PO/PSF = 2130.9 RUN NO = 48.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6953 | -.5606 | -.7815 | -.3246 |
| .230 | -.2945 | -.3208 | -.0957 | -.2332 |
| .410 | -.1220 | -.0841 | -.1830 | -.1608 |
| .590 | -.1399 | -.1620 | -.1841 | -.1694 |
| .770 | -.1494 | -.1735 | -.1998 | -.2009 |
| .878 | -.1672 | -.1756 | -.1883 | -.2104 |

BETA ( 3 ) = -.020 ALPHA ( 2 ) = 2.090 Q(PSF) = 42.810 PO/PSF = 2130.9 RUN NO = 48.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6340 | -.4918 | -.6929 | -.3199 |
| .230 | -.1896 | -.2359 | -.0295 | -.2111 |
| .410 | -.0779 | -.0516 | -.1211 | -.1040 |
| .590 | -.0990 | -.1148 | -.1548 | -.1506 |
| .770 | -.1042 | -.1190 | -.1411 | -.1474 |
| .878 | -.1222 | -.1169 | -.1095 | -.1106 |

BETA ( 3 ) = -.020 ALPHA ( 3 ) = 4.100 Q(PSF) = 42.810 PO/PSF = 2130.9 RUN NO = 48.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5784 | -.4298 | -.5910 | -.5100 |
| .230 | -.1043 | -.1527 | .0220  | -.2008 |
| .410 | -.0411 | -.0295 | -.0695 | -.0816 |
| .590 | -.0632 | -.0716 | -.0938 | -.1040 |
| .770 | -.0674 | -.0695 | -.0811 | -.0758 |
| .878 | -.0843 | -.0706 | -.0506 | -.0527 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF10)

BETA ( 3 ) = -.020 ALPHA ( 4 ) = 6.200 Q(PSF) = 42.810 PO/PSF = 2130.9 RUN NO = 48.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5190 | -.3590 | -.4874 | -.5891 |
| .230 | -.0179 | -.0747 | .0652  | -.1557 |
| .410 | .0062  | .0178  | -.0021 | -.0263 |
| .590 | -.0158 | -.0200 | -.0305 | -.0349 |
| .770 | -.0231 | -.0200 | -.0231 | -.0084 |
| .878 | -.0442 | -.0242 | .0094  | -.0021 |

BETA ( 3 ) = -.020 ALPHA ( 5 ) = 8.240 Q(PSF) = 42.810 PO/PSF = 2130.9 RUN NO = 48.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4668 | -.2947 | -.3908 | -.5858 |
| .230 | .0527  | -.0105 | .1002  | -.1112 |
| .410 | .0517  | .0717  | .0569  | .0238  |
| .590 | .0316  | .0295  | .0253  | .0255  |
| .770 | .0179  | .0253  | .0348  | .0538  |
| .878 | -.0074 | .0159  | .0654  | .0580  |

BETA ( 3 ) = -.020 ALPHA ( 6 ) = 10.360 Q(PSF) = 42.810 PO/PSF = 2130.9 RUN NO = 48.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4068 | -.2329 | -.2940 | -.5240 |
| .230 | .1032  | .0663  | .1316  | -.0729 |
| .410 | .1000  | .1232  | .1085  | .0808  |
| .590 | .0779  | .0811  | .0800  | .0825  |
| .770 | .0610  | .0705  | .0895  | .1190  |
| .878 | .0305  | .0558  | .1148  | .1190  |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF10)

BETA ( 4 ) = 5.000 ALPHA ( 1 ) = -.010 Q(PSF) = 42.797 PO/PSF = 2130.8 RUN NO = 47.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5655 | -.5150 | -.6540 | -.3440 |
| .230 | -.0758 | -.1053 | -.0548 | -.2007 |
| .410 | -.0853 | -.0716 | -.1053 | -.1195 |
| .590 | -.1032 | -.1116 | -.1285 | -.1420 |
| .770 | -.1053 | -.1042 | -.1095 | -.1179 |
| .878 | -.1274 | -.1074 | -.0769 | -.0748 |

BETA ( 4 ) = 5.000 ALPHA ( 2 ) = 2.030 Q(PSF) = 42.797 PO/PSF = 2130.8 RUN NO = 47.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4987 | -.4430 | -.5513 | -.4473 |
| .230 | -.0337 | -.0589 | .0031  | -.1936 |
| .410 | -.0442 | -.0242 | -.0442 | -.0711 |
| .590 | -.0600 | -.0663 | -.0715 | -.0849 |
| .770 | -.0663 | -.0652 | -.0589 | -.0505 |
| .878 | -.0926 | -.0715 | -.0242 | -.0337 |

BETA ( 4 ) = 5.000 ALPHA ( 3 ) = 4.110 Q(PSF) = 42.797 PO/PSF = 2130.8 RUN NO = 47.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4239 | -.3775 | -.4386 | -.5451 |
| .230 | .0094  | -.0042 | .0431  | -.1664 |
| .410 | .0020  | .0284  | .0083  | -.0263 |
| .590 | -.0158 | -.0169 | -.0200 | -.0263 |
| .770 | -.0295 | -.0242 | -.0074 | .0168  |
| .878 | -.0643 | -.0443 | .0199  | .0221  |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF10)

BETA ( 4 ) = 5.000 ALPHA ( 4 ) = 6.190 Q(PSF) = 42.797 PO/PSF = 2130.8 RUN NO = 47.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3710 | -.3520 | -.3446 | -.5690 |
| .230 | .0473  | .0589  | .0631  | -.1404 |
| .410 | .0494  | .0716  | .0526  | .0203  |
| .590 | .0294  | .0273  | .0263  | .0255  |
| .770 | .0062  | .0147  | .0421  | .0726  |
| .878 | -.0337 | -.0074 | .0663  | .0811  |

BETA ( 4 ) = 5.000 ALPHA ( 5 ) = 8.250 Q(PSF) = 42.797 PO/PSF = 2130.8 RUN NO = 47.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3119 | -.3456 | -.3445 | -.4116 |
| .230 | .0916  | .1148  | .0747  | -.1006 |
| .410 | .1000  | .1169  | .0928  | .0669  |
| .590 | .0821  | .0895  | .0831  | .0877  |
| .770 | .0494  | .0631  | .0937  | .1253  |
| .878 | -.0021 | .0273  | .1074  | .1369  |

BETA ( 4 ) = 5.000 ALPHA ( 6 ) = 10.310 Q(PSF) = 42.797 PO/PSF = 2130.8 RUN NO = 47.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3083 | -.2661 | -.2840 | -.1406 |
| .230 | .1425  | .1689  | .1245  | -.0835 |
| .410 | .1530  | .1710  | .1403  | .1311  |
| .590 | .1382  | .1467  | .1351  | .1519  |
| .770 | .0886  | .1076  | .1467  | .1897  |
| .878 | .0253  | .0495  | .1467  | .1991  |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF10)

BETA ( 5 ) = 10.050 ALPHA ( 1 ) = .000 Q(PSF) = 42.758 PO/PSF = 2130.9 RUN NO = 46.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7639 | -.6014 | -.5101 | -.6960 |
| .230 | -.0527 | -.0475 | -.0696 | -.1942 |
| .410 | -.0517 | -.0369 | -.0538 | -.0748 |
| .590 | -.0622 | -.0717 | -.0707 | -.0800 |
| .770 | -.0749 | -.0717 | -.0549 | -.0401 |
| .878 | -.1108 | -.0886 | -.0243 | -.0169 |

BETA ( 5 ) = 10.050 ALPHA ( 2 ) = 2.040 Q(PSF) = 42.758 PO/PSF = 2130.9 RUN NO = 46.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6517 | -.5283 | -.4081 | -.4621 |
| .230 | .0083  | .0062  | -.0285 | -.1283 |
| .410 | .0157  | .0284  | .0020  | -.0159 |
| .590 | .0041  | .0020  | -.0010 | -.0004 |
| .770 | -.0253 | -.0169 | .0105  | .0284  |
| .878 | -.0728 | -.0538 | .0231  | .0569  |

BETA ( 5 ) = 10.050 ALPHA ( 3 ) = 4.120 Q(PSF) = 42.758 PO/PSF = 2130.9 RUN NO = 46.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5811 | -.4725 | -.3712 | -.1180 |
| .230 | .0811  | .0727  | .0326  | -.1526 |
| .410 | .0991  | .1043  | .0653  | .0532  |
| .590 | .0801  | .0758  | .0632  | .0826  |
| .770 | .0189  | .0231  | .0685  | .1107  |
| .878 | -.0538 | -.0453 | .0695  | .1360  |

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1ABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF10)

BETA ( 5 ) = 10.050 ALPHA ( 4 ) = 6.250 Q(PSF) = 42.758 PO/PSF = 2130.9 RUN NO = 46.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4636 | -.3368 | -.2672 | -.1753 |
| .230 | .1224  | .1266  | .0844  | -.1839 |
| .410 | .1456  | .1573  | .1150  | .1173  |
| .590 | .1277  | .1361  | .1140  | .1363  |
| .770 | .0443  | .0590  | .1076  | .1678  |
| .878 | -.0348 | -.0169 | .1002  | .1845  |

BETA ( 5 ) = 10.050 ALPHA ( 5 ) = 8.240 Q(PSF) = 42.758 PO/PSF = 2130.9 RUN NO = 46.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3700 | -.2193 | -.1065 | -.1715 |
| .230 | .1580  | .1633  | .1180  | -.2009 |
| .410 | .1842  | .1998  | .1538  | .1724  |
| .590 | .1675  | .1748  | .1507  | .1776  |
| .770 | .0695  | .0895  | .1412  | .2019  |
| .878 | -.0179 | .0041  | .1327  | .2206  |

BETA ( 5 ) = 10.050 ALPHA ( 6 ) = 10.330 Q(PSF) = 42.758 PO/PSF = 2130.9 RUN NO = 46.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2140 | -.1624 | -.0358 | -.0712 |
| .230 | .1988  | .1988  | .1531  | -.1888 |
| .410 | .2258  | .2476  | .1967  | .2327  |
| .590 | .2060  | .2216  | .1967  | .2275  |
| .770 | .0948  | .1233  | .1728  | .2393  |
| .878 | .0083  | .0273  | .1528  | .2466  |



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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF11) ( 03 FEB 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0405

## PARAMETRIC DATA

MACH = .170 ELEVON = .000  
 BDFLAP = .000 SPDBRK = 25.000  
 PHI-N = 30.800 THETAN = 5.000  
 PHI-M = 40.000 THETAM = 6.200

BETA ( 1 ) = -10.080 ALPHA ( 1 ) = .020 Q(PSF) = 42.928 PO/PSF = 2127.9 RUN NO = 51.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.7165 -.7449 -1.0223 -.4897  
 .230 -.5190 -.5117 -.2784 -.2726  
 .410 -.1565 -.1755 -.3026 -.3002  
 .590 -.2669 -.3057 -.3162 -.3295  
 .770 -.3225 -.3267 -.3320 -.3057  
 .878 -.3278 -.3320 -.3352 -.2984

BETA ( 1 ) = -10.080 ALPHA ( 2 ) = 2.080 Q(PSF) = 42.928 PO/PSF = 2127.9 RUN NO = 51.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.6753 -.6606 -.9116 -.4895  
 .230 -.4778 -.4610 -.2111 -.2105  
 .410 -.1281 -.1134 -.2457 -.2398  
 .590 -.2006 -.2415 -.2583 -.2690  
 .770 -.2615 -.2741 -.2762 -.2541  
 .878 -.2762 -.2773 -.2804 -.2457

BETA ( 1 ) = -10.080 ALPHA ( 3 ) = 4.110 Q(PSF) = 42.928 PO/PSF = 2127.9 RUN NO = 51.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.6276 -.5751 -.8095 -.5159  
 .230 -.4468 -.3953 -.1482 -.1452  
 .410 -.1020 -.0652 -.1903 -.1848  
 .590 -.1398 -.1703 -.1997 -.2124  
 .770 -.1966 -.2176 -.2166 -.2018  
 .878 -.2145 -.2281 -.2271 -.1955

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF11)

BETA ( 1 ) = -10.080 ALPHA ( 4 ) = 6.200 Q(P5F) = 42.928 PO/P5F = 2127.9 RUN NO = 51.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5806 | -.4881 | -.7184 | -.5575 |
| .230 | -.3976 | -.3208 | -.0831 | -.0780 |
| .410 | -.0789 | -.0210 | -.1283 | -.1211 |
| .590 | -.0831 | -.0989 | -.1409 | -.1522 |
| .770 | -.1283 | -.1483 | -.1578 | -.1399 |
| .878 | -.1504 | -.1630 | -.1609 | -.1420 |

BETA ( 1 ) = -10.080 ALPHA ( 5 ) = 8.270 Q(P5F) = 42.928 PO/P5F = 2127.9 RUN NO = 51.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5447 | -.4125 | -.6245 | -.5855 |
| .230 | -.3159 | -.2309 | -.0252 | -.0279 |
| .410 | -.0472 | .0220  | -.0504 | -.0640 |
| .590 | -.0357 | -.0346 | -.0808 | -.0933 |
| .770 | -.0609 | -.0682 | -.0913 | -.0735 |
| .878 | -.0840 | -.0923 | -.1007 | -.0881 |

BETA ( 1 ) = -10.080 ALPHA ( 6 ) = 10.330 Q(P5F) = 42.928 PO/P5F = 2127.9 RUN NO = 51.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4946 | -.3371 | -.5209 | -.3052 |
| .230 | -.2268 | -.1460 | .0220  | .0168  |
| .410 | .0000  | .0724  | .0146  | -.0055 |
| .590 | .0104  | .0262  | -.0231 | -.0279 |
| .770 | -.0042 | .0000  | -.0336 | -.0094 |
| .878 | -.0210 | -.0241 | -.0420 | -.0357 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF11)

BETA ( 2 ) = -5.050 ALPHA ( 1 ) = .000 Q(PSF) = 42.938 P0/PSF = 2127.8 RUN NO = 52.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7452 | -.6247 | -.8825 | -.6879 |
| .230 | -.4821 | -.4485 | -.1865 | -.1911 |
| .410 | -.1771 | -.1195 | -.2285 | -.2307 |
| .590 | -.1719 | -.1960 | -.2421 | -.2410 |
| .770 | -.1949 | -.2484 | -.2746 | -.2851 |
| .878 | -.2190 | -.2725 | -.2693 | -.2620 |

BETA ( 2 ) = -5.060 ALPHA ( 2 ) = 2.060 Q(PSF) = 42.938 P0/PSF = 2127.8 RUN NO = 52.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7133 | -.5591 | -.7888 | -.5749 |
| .230 | -.4091 | -.3650 | -.1311 | -.1380 |
| .410 | -.1384 | -.0829 | -.1678 | -.1758 |
| .590 | -.1322 | -.1426 | -.1982 | -.1965 |
| .770 | -.1479 | -.1846 | -.2171 | -.2318 |
| .878 | -.1689 | -.2077 | -.2150 | -.2108 |

BETA ( 2 ) = -5.060 ALPHA ( 3 ) = 4.130 Q(PSF) = 42.938 P0/PSF = 2127.8 RUN NO = 52.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6642 | -.4971 | -.6916 | -.5881 |
| .230 | -.3142 | -.2838 | -.0767 | -.1141 |
| .410 | -.0925 | -.0473 | -.1040 | -.1176 |
| .590 | -.0946 | -.0946 | -.1429 | -.1400 |
| .770 | -.1051 | -.1156 | -.1545 | -.1682 |
| .878 | -.1219 | -.1356 | -.1618 | -.1534 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF11)

BETA ( 2 ) = -5.060 ALPHA ( 4 ) = 6.190 Q(PSF) = 42.938 PO/PSF = 2127.8 RUN NO = 52.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6013 | -.4265 | -.6002 | -.7050 |
| .230 | -.2222 | -.2022 | -.0326 | -.0608 |
| .410 | -.0379 | -.0031 | -.0453 | -.0522 |
| .590 | -.0442 | -.0421 | -.0769 | -.0884 |
| .770 | -.0569 | -.0590 | -.1032 | -.0884 |
| .878 | -.0727 | -.0758 | -.1042 | -.0916 |

BETA ( 2 ) = -5.060 ALPHA ( 5 ) = 8.260 Q(PSF) = 42.938 PO/PSF = 2127.8 RUN NO = 52.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5256 | -.3550 | -.5035 | -.8486 |
| .230 | -.1159 | -.1243 | .0168  | -.0729 |
| .410 | .0178  | .0410  | .0168  | -.0073 |
| .590 | .0052  | .0062  | -.0221 | -.0332 |
| .770 | -.0074 | -.0053 | -.0253 | -.0147 |
| .878 | -.0284 | -.0179 | -.0189 | -.0168 |

BETA ( 2 ) = -5.060 ALPHA ( 6 ) = 10.340 Q(PSF) = 42.938 PO/PSF = 2127.8 RUN NO = 52.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4411 | -.2818 | -.3982 | -.8320 |
| .230 | -.0126 | -.0471 | .0596  | -.0175 |
| .410 | .0680  | .0848  | .0774  | .0391  |
| .590 | .0544  | .0544  | .0450  | .0322  |
| .770 | .0397  | .0471  | .0460  | .0659  |
| .878 | .0177  | .0324  | .0586  | .0429  |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF11)

BETA ( 3 ) = -.010 ALPHA ( 1 ) = .000 Q(PSF) = 42.878 PO/PSF = 2127.8 RUN NO = 53.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7422 | -.5693 | -.7664 | -.7939 |
| .230 | -.2741 | -.3194 | -.1149 | -.1957 |
| .410 | -.1212 | -.1054 | -.1497 | -.1560 |
| .590 | -.1318 | -.1434 | -.1729 | -.1663 |
| .770 | -.1434 | -.1592 | -.2077 | -.2055 |
| .878 | -.1644 | -.1760 | -.2151 | -.2066 |

BETA ( 3 ) = -.010 ALPHA ( 2 ) = 2.060 Q(PSF) = 42.878 PO/PSF = 2127.8 RUN NO = 53.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6784 | -.5027 | -.6763 | -.8679 |
| .230 | -.1788 | -.2450 | -.0778 | -.1504 |
| .410 | -.0757 | -.0652 | -.0915 | -.1021 |
| .590 | -.0925 | -.1041 | -.1241 | -.1211 |
| .770 | -.1052 | -.1146 | -.1462 | -.1493 |
| .878 | -.1241 | -.1262 | -.1409 | -.1230 |

BETA ( 3 ) = -.020 ALPHA ( 3 ) = 4.140 Q(PSF) = 42.878 PO/PSF = 2127.8 RUN NO = 53.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6108 | -.4437 | -.5877 | -.9745 |
| .230 | -.0820 | -.1587 | -.0336 | -.0952 |
| .410 | -.0336 | -.0221 | -.0399 | -.0641 |
| .590 | -.0515 | -.0589 | -.0788 | -.0883 |
| .770 | -.0620 | -.0641 | -.0757 | -.0904 |
| .878 | -.0841 | -.0757 | -.0620 | -.0589 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF11)

BETA ( 3 ) = -.020 ALPHA ( 4 ) = 6.220 Q(PSF) = 42.878 PO/PSF = 2127.8 RUN NO = 53.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5361 | -.3718 | -.4803 | -.8934 |
| .230 | -.0042 | -.0843 | .0010  | -.0729 |
| .410 | .0115  | .0241  | .0210  | -.0194 |
| .590 | -.0063 | -.0095 | -.0105 | -.0211 |
| .770 | -.0200 | -.0147 | -.0074 | -.0042 |
| .878 | -.0453 | -.0326 | .0062  | -.0326 |

BETA ( 3 ) = -.010 ALPHA ( 5 ) = 8.260 Q(PSF) = 42.878 PO/PSF = 2127.8 RUN NO = 53.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4661 | -.3034 | -.3748 | -.7820 |
| .230 | .0556  | -.0084 | .0398  | -.0365 |
| .410 | .0556  | .0776  | .0755  | .0219  |
| .590 | .0409  | .0419  | .0472  | .0374  |
| .770 | .0220  | .0283  | .0472  | .0671  |
| .878 | -.0094 | .0052  | .0556  | .0178  |

BETA ( 3 ) = -.010 ALPHA ( 6 ) = 10.340 Q(PSF) = 42.878 PO/PSF = 2127.8 RUN NO = 53.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3971 | -.2374 | -.2826 | -.6016 |
| .230 | .0897  | .0545  | .0768  | -.0228 |
| .410 | .1018  | .1260  | .1218  | .0736  |
| .590 | .0871  | .0955  | .0976  | .0926  |
| .770 | .0629  | .0766  | .0976  | .1323  |
| .878 | .0262  | .0440  | .1018  | .0840  |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF11)

BETA ( 4 ) = 5.020 ALPHA ( 1 ) = .000 Q(PSF) = 42.898 PO/PSF = 2127.7 RUN NO = 54.000

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6749 | -.5154 | -.6372 | -.8043 |
| .230 | -.0756 | -.1354 | -.0588 | -.1363 |
| .410 | -.0819 | -.0661 | -.0850 | -.1054 |
| .590 | -.0976 | -.1039 | -.1175 | -.1226 |
| .770 | -.1039 | -.1018 | -.1018 | -.1186 |
| .878 | -.1302 | -.1165 | -.0798 | -.0945 |

BETA ( 4 ) = 5.020 ALPHA ( 2 ) = 2.090 Q(PSF) = 42.898 PO/PSF = 2127.7 RUN NO = 54.000

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6200 | -.4529 | -.5359 | -.8672 |
| .230 | -.0326 | -.0714 | -.0357 | -.1331 |
| .410 | -.0368 | -.0136 | -.0263 | -.0624 |
| .590 | -.0525 | -.0536 | -.0567 | -.0745 |
| .770 | -.0672 | -.0630 | -.0483 | -.0389 |
| .878 | -.1009 | -.0883 | -.0378 | -.0862 |

BETA ( 4 ) = 5.020 ALPHA ( 3 ) = 4.130 Q(PSF) = 42.898 PO/PSF = 2127.7 RUN NO = 54.000

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5555 | -.3868 | -.4248 | -.8162 |
| .230 | .0136  | -.0053 | -.0053 | -.1196 |
| .410 | .0073  | .0400  | .0252  | -.0194 |
| .590 | -.0074 | .0000  | .0020  | -.0211 |
| .770 | -.0316 | -.0211 | .0041  | .0294  |
| .878 | -.0696 | -.0548 | .0073  | -.0306 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF11)

BETA ( 4 ) = 5.020 ALPHA ( 4 ) = 6.200 Q(PSF) = 42.898 PO/PSF = 2127.7 RUN NO = 54.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4944 | -.3250 | -.3314 | -.6611 |
| .230 | .0525  | .0494  | .0188  | -.1073 |
| .410 | .0525  | .0799  | .0620  | .0271  |
| .590 | .0388  | .0472  | .0462  | .0289  |
| .770 | .0083  | .0210  | .0536  | .0862  |
| .878 | -.0400 | -.0252 | .0546  | .0325  |

BETA ( 4 ) = 5.020 ALPHA ( 5 ) = 8.250 Q(PSF) = 42.898 PO/PSF = 2127.7 RUN NO = 54.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4581 | -.2900 | -.3488 | -.3639 |
| .230 | .0945  | .1123  | .0503  | -.0658 |
| .410 | .1018  | .1323  | .1081  | .0736  |
| .590 | .0913  | .1071  | .1018  | .0874  |
| .770 | .0461  | .0572  | .1050  | .1470  |
| .878 | -.0115 | .0073  | .0934  | .0966  |

BETA ( 4 ) = 5.020 ALPHA ( 6 ) = 10.330 Q(PSF) = 42.898 PO/PSF = 2127.7 RUN NO = 54.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4015 | -.2228 | -.2585 | -.1262 |
| .230 | .1450  | .1681  | .1082  | -.0538 |
| .410 | .1534  | .1816  | .1576  | .1236  |
| .590 | .1386  | .1597  | .1576  | .1529  |
| .770 | .0798  | .1040  | .1481  | .2023  |
| .878 | .0146  | .0335  | .1313  | .1481  |



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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF11)

BETA ( 5 ) = 10.120 ALPHA ( 1 ) = .000 Q(PSF) = 42.890 PO/PSF = 2127.9 RUN NO = 55.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7791 | -.6132 | -.5366 | -.7890 |
| .230 | -.0367 | -.0378 | -.0987 | -.1433 |
| .410 | -.0315 | -.0178 | -.0367 | -.0589 |
| .590 | -.0462 | -.0504 | -.0535 | -.0710 |
| .770 | -.0714 | -.0682 | -.0367 | -.0178 |
| .878 | -.1155 | -.1039 | -.0304 | -.0462 |

BETA ( 5 ) = 10.120 ALPHA ( 2 ) = 2.050 Q(PSF) = 42.890 PO/PSF = 2127.9 RUN NO = 55.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6937 | -.5516 | -.4231 | -.3991 |
| .230 | .0199  | .0157  | -.0442 | -.0849 |
| .410 | .0294  | .0473  | .0157  | -.0090 |
| .590 | .0136  | .0252  | .0210  | .0013  |
| .770 | -.0295 | -.0095 | .0252  | .0515  |
| .878 | -.0831 | -.0684 | .0168  | .0441  |

BETA ( 5 ) = 10.120 ALPHA ( 3 ) = 4.110 Q(PSF) = 42.890 PO/PSF = 2127.9 RUN NO = 55.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6055 | -.4278 | -.3563 | -.1176 |
| .230 | .0798  | .0893  | .0251  | -.1314 |
| .410 | .0924  | .1229  | .0809  | .0392  |
| .590 | .0745  | .1008  | .0851  | .0823  |
| .770 | .0041  | .0293  | .0745  | .1282  |
| .878 | -.0683 | -.0546 | .0504  | .0724  |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF11)

BETA ( 5 ) = 10.120 ALPHA ( 4 ) = 6.180 Q(PSF) = 42.890 PO/PSF = 2127.9 RUN NO = 55.000

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5030 | -.2946 | -.2399 | -.1298 |
| .230 | .1199  | .1367  | .0683  | -.1677 |
| .410 | .1293  | .1766  | .1314  | .0772  |
| .590 | .1083  | .1567  | .1325  | .1410  |
| .770 | .0178  | .0673  | .1072  | .1766  |
| .878 | -.0610 | -.0368 | .0746  | .1188  |

BETA ( 5 ) = 10.130 ALPHA ( 5 ) = 8.260 Q(PSF) = 42.890 PO/PSF = 2127.9 RUN NO = 55.000

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3760 | -.2027 | -.0977 | -.0365 |
| .230 | .1689  | .1825  | .1144  | -.1795 |
| .410 | .1752  | .2249  | .1763  | .1339  |
| .590 | .1459  | .2042  | .1773  | .1923  |
| .770 | .0409  | .0986  | .1396  | .2218  |
| .878 | -.0388 | -.0084 | .0976  | .1606  |

BETA ( 5 ) = 10.130 ALPHA ( 6 ) = 10.330 Q(PSF) = 42.890 PO/PSF = 2127.1 RUN NO = 55.000

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2243 | -.1390 | -.0189 | .0721  |
| .230 | .2151  | .2255  | .1579  | -.1644 |
| .410 | .2203  | .2753  | .2245  | .1928  |
| .590 | .1809  | .2514  | .2224  | .2444  |
| .770 | .0663  | .1315  | .1642  | .2546  |
| .878 | -.0179 | .0094  | .1105  | .1819  |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF12) ( 03 FEB 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0405

## PARAMETRIC DATA

MACH = .170 ELEVON = .000  
 BDFLAP = .000 SPDBRK = 25.000  
 PHI-N = 50.000 THETAN = 9.800  
 PHI-M = 48.300 THETAM = 6.200

BETA ( 1 ) = -10.090 ALPHA ( 1 ) = .010 Q(PSF) = 42.870 PO/PSF = 2127.9 RUN NO = 56.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.2833 -.3076 -.3255 -.3493  
 .230 -.3392 -.3434 -.3402 -.1645  
 .410 -.3392 -.3423 -.3444 -.3023  
 .590 -.2138 -.7068 -.7331 -.3044  
 .770 -.2538 -.5446 -.5677 -.2623  
 .878 -.2370 -.1559 -.1622 -.3023

BETA ( 1 ) = -10.090 ALPHA ( 2 ) = 2.070 Q(PSF) = 42.870 PO/PSF = 2127.9 RUN NO = 56.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.6445 -.6487 -.9178 -.6624  
 .230 -.5015 -.4931 -.1966 -.2262  
 .410 -.1240 -.1062 -.2386 -.2486  
 .590 -.2145 -.2292 -.2618 -.2917  
 .770 -.2796 -.2807 -.2828 -.2481  
 .878 -.2860 -.2817 -.2912 -.2576

BETA ( 1 ) = -10.100 ALPHA ( 3 ) = 4.130 Q(PSF) = 42.870 PO/PSF = 2127.9 RUN NO = 56.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.6016 -.5627 -.8099 -.6506  
 .230 -.4817 -.4218 -.1325 -.1487  
 .410 -.0936 -.0578 -.1820 -.1918  
 .590 -.1399 -.1599 -.2019 -.2332  
 .770 -.2125 -.2209 -.2272 -.1967  
 .878 -.2272 -.2282 -.2324 -.2061

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF12)

BETA ( 1 ) = -10.090 ALPHA ( 4 ) = 6.230 Q(PSF) = 42.870 PO/PSF = 2127.9 RUN NO = 56.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5575 | -.4786 | -.7100 | -.7197 |
| .230 | -.4365 | -.3208 | -.0799 | -.0780 |
| .410 | -.0726 | -.0031 | -.1210 | -.1297 |
| .590 | -.0747 | -.0841 | -.1409 | -.1677 |
| .770 | -.1325 | -.1451 | -.1630 | -.1325 |
| .878 | -.1588 | -.1641 | -.1599 | -.1504 |

BETA ( 1 ) = -10.100 ALPHA ( 5 ) = 8.300 Q(PSF) = 42.870 PO/PSF = 2127.9 RUN NO = 56.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0547 | -.0031 | -.0820 | -.1004 |
| .230 | -.0739 | -.0642 | -.1010 | -.0400 |
| .410 | -.1473 | -.0894 | -.0978 | -.0726 |
| .590 | -.0021 | -.5354 | -.3955 | -.0883 |
| .770 | .0315  | -.3482 | -.2251 | -.0515 |
| .878 | .0988  | -.0484 | .0567  | -.0463 |

BETA ( 1 ) = -10.100 ALPHA ( 6 ) = 10.390 Q(PSF) = 42.870 PO/PSF = 2127.9 RUN NO = 56.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4799 | -.3189 | -.4978 | -.4784 |
| .230 | -.2452 | -.1400 | .0010  | .0530  |
| .410 | .0031  | .1041  | .0252  | -.0021 |
| .590 | .0231  | .0536  | -.0263 | -.0383 |
| .770 | .0052  | .0062  | -.0389 | -.0084 |
| .878 | -.0189 | -.0210 | -.0379 | -.0263 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF12)

BETA ( 2 ) = -5.040 ALPHA ( 1 ) = .010 Q(PSF) = 42.887 PO/PSF = 2127.8 RUN NO = 57.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7410 | -.6115 | -.8746 | -.9635 |
| .230 | -.5105 | -.4473 | -.1863 | -.1781 |
| .410 | -.1726 | -.1126 | -.2231 | -.2282 |
| .590 | -.1526 | -.1800 | -.2484 | -.2455 |
| .770 | -.1937 | -.2579 | -.2863 | -.2979 |
| .878 | -.2252 | -.2810 | -.2810 | -.2694 |

BETA ( 2 ) = -5.040 ALPHA ( 2 ) = 2.060 Q(PSF) = 42.887 PO/PSF = 2127.8 RUN NO = 57.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7178 | -.5434 | -.7809 | -.9449 |
| .230 | -.4204 | -.3657 | -.1450 | -.1089 |
| .410 | -.1345 | -.0704 | -.1597 | -.1727 |
| .590 | -.1177 | -.1219 | -.1976 | -.1951 |
| .770 | -.1429 | -.1881 | -.2323 | -.2375 |
| .878 | -.1681 | -.2175 | -.2239 | -.2186 |

BETA ( 2 ) = -5.040 ALPHA ( 3 ) = 4.120 Q(PSF) = 42.887 PO/PSF = 2127.8 RUN NO = 57.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6694 | -.4821 | -.6905 | -.7668 |
| .230 | -.3158 | -.2789 | -.1052 | -.0608 |
| .410 | -.0831 | -.0305 | -.0979 | -.1177 |
| .590 | -.0768 | -.0716 | -.1505 | -.1385 |
| .770 | -.0979 | -.1200 | -.1747 | -.1726 |
| .878 | -.1189 | -.1484 | -.1674 | -.1600 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF12)

BETA ( 2 ) = -5.040 ALPHA ( 4 ) = 6.180 Q(PSF) = 42.887 PO/PSF = 2127.8 RUN NO = 57.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6118 | -.4226 | -.5855 | -.9519 |
| .230 | -.2092 | -.2144 | -.0809 | -.0348 |
| .410 | -.0326 | .0094  | -.0168 | -.0521 |
| .590 | -.0336 | -.0242 | -.0799 | -.0779 |
| .770 | -.0515 | -.0525 | -.1104 | -.0925 |
| .878 | -.0694 | -.0757 | -.1093 | -.0883 |

BETA ( 2 ) = -5.040 ALPHA ( 5 ) = 8.270 Q(PSF) = 42.637 PO/PSF = 2127.8 RUN NO = 57.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5521 | -.3702 | -.4785 | -.9989 |
| .230 | -.0747 | -.1304 | -.0357 | -.0348 |
| .410 | .0178  | .0504  | .0388  | .0013  |
| .590 | .0125  | .0146  | -.0031 | -.0297 |
| .770 | -.0063 | .0000  | -.0179 | -.0221 |
| .878 | -.0284 | -.0189 | -.0210 | -.0116 |

BETA ( 2 ) = -5.040 ALPHA ( 6 ) = 10.320 Q(PSF) = 42.9E7 PO/PSF = 2127.8 RUN NO = 57.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4793 | -.2953 | -.3773 | -.8105 |
| .230 | .0188  | -.0525 | .0188  | .0064  |
| .410 | .0693  | .0956  | .0893  | .0495  |
| .590 | .0588  | .0651  | .0619  | .0392  |
| .770 | .0409  | .0514  | .0577  | .0640  |
| .878 | .0146  | .0262  | .0493  | .0504  |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF12)

BETA ( 3 ) = -.010 ALPHA ( 1 ) = .000 Q(PSF) = 42.922 PO/PSF = 2127.8 RUN NO = 58.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |         |
|------|--------|--------|--------|---------|
| .050 | -.7558 | -.5676 | -.7505 | -1.1622 |
| .230 | -.2712 | -.3300 | -.1619 | -.1607  |
| .410 | -.1093 | -.0935 | -.1209 | -.1538  |
| .590 | -.1230 | -.1282 | -.1776 | -.1710  |
| .770 | -.1367 | -.1577 | -.2228 | -.2228  |
| .878 | -.1640 | -.1881 | -.2260 | -.2113  |

BETA ( 3 ) = -.010 ALPHA ( 2 ) = 2.070 Q(PSF) = 42.922 PO/PSF = 2127.8 RUN NO = 58.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |         |
|------|--------|--------|--------|---------|
| .050 | -.6995 | -.5146 | -.6491 | -1.1906 |
| .230 | -.1502 | -.2458 | -.1271 | -.1192  |
| .410 | -.0683 | -.0557 | -.0704 | -.1054  |
| .590 | -.0840 | -.0903 | -.1103 | -.1227  |
| .770 | -.0998 | -.1082 | -.1449 | -.1544  |
| .878 | -.1250 | -.1292 | -.1491 | -.1176  |

BETA ( 3 ) = .000 ALPHA ( 3 ) = 4.120 Q(PSF) = 42.922 PO/PSF = 2127.8 RUN NO = 58.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |         |
|------|--------|--------|--------|---------|
| .050 | -.6378 | -.4494 | -.5673 | -1.1051 |
| .230 | -.0642 | -.1684 | -.0705 | -.0832  |
| .410 | -.0305 | -.0168 | -.0263 | -.0625  |
| .590 | -.0463 | -.0516 | -.0631 | -.0763  |
| .770 | -.0589 | -.0631 | -.0695 | -.0947  |
| .878 | -.0863 | -.0831 | -.0705 | -.0600  |

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF12)

BETA ( 3 ) = -.010 ALPHA ( 4 ) = 6.190 Q(PSF) = 42.922 PO/PSF = 2127.8 RUN NO = 58.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5654 | -.3860 | -.4647 | -.9104 |
| .230 | .0073  | -.0776 | -.0273 | -.0795 |
| .410 | .0135  | .0335  | .0282  | -.0124 |
| .590 | .0000  | -.0031 | -.0031 | -.0141 |
| .770 | -.0199 | -.0157 | -.0021 | .0083  |
| .878 | -.0493 | -.0430 | -.0094 | -.0661 |

BETA ( 3 ) = -.010 ALPHA ( 5 ) = 6.270 Q(PSF) = 42.922 PO/PSF = 2127.8 RUN NO = 58.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4920 | -.3143 | -.3690 | -.8003 |
| .230 | .0619  | .0115  | .0283  | -.0486 |
| .410 | .0619  | .0872  | .0777  | .0323  |
| .590 | .0483  | .0535  | .0556  | .0392  |
| .770 | .0251  | .0315  | .0504  | .0830  |
| .878 | -.0094 | -.0042 | .0378  | -.0179 |

BETA ( 3 ) = -.010 ALPHA ( 6 ) = 10.310 Q(PSF) = 42.922 PO/PSF = 2127.8 RUN NO = 58.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4181 | -.2479 | -.2763 | -.5981 |
| .230 | .1071  | .0871  | .0745  | -.0451 |
| .410 | .1081  | .1354  | .1186  | .0840  |
| .590 | .0924  | .1050  | .1081  | .0960  |
| .770 | .0629  | .0787  | .1039  | .1491  |
| .878 | .0230  | .0314  | .0829  | .0388  |



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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF12)

BETA ( 4 ) = 5.030 ALPHA ( 1 ) = .000 Q(PSF) = 42.835 PO/PSF = 2127.8 RUN NO = 59.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |         |
|------|--------|--------|--------|---------|
| .050 | -.6940 | -.5318 | -.6245 | -1.0815 |
| .230 | -.0737 | -.1295 | -.0874 | -.1731  |
| .410 | -.0800 | -.0600 | -.0769 | -.1040  |
| .590 | -.0927 | -.0979 | -.1074 | -.1161  |
| .770 | -.1053 | -.1042 | -.0989 | -.1074  |
| .878 | -.1369 | -.1295 | -.0958 | -.1506  |

BETA ( 4 ) = 5.030 ALPHA ( 2 ) = 2.040 Q(PSF) = 42.835 PO/PSF = 2127.8 RUN NO = 59.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |         |
|------|--------|--------|--------|---------|
| .050 | -.6405 | -.4751 | -.5267 | -1.0093 |
| .230 | -.0316 | -.0569 | -.0600 | -.1610  |
| .410 | -.0379 | -.0095 | -.0274 | -.0626  |
| .590 | -.0516 | -.0495 | -.0527 | -.0764  |
| .770 | -.0727 | -.0664 | -.0484 | -.0274  |
| .878 | -.1064 | -.1011 | -.0590 | -.1433  |

BETA ( 4 ) = 5.030 ALPHA ( 3 ) = 4.090 Q(PSF) = 42.835 PO/PSF = 2127.8 RUN NO = 59.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5823 | -.4128 | -.4338 | -.9001 |
| .230 | .0094  | .0115  | -.0168 | -.1437 |
| .410 | .0073  | .0357  | .0168  | -.0176 |
| .590 | -.0074 | .0020  | .0020  | -.0228 |
| .770 | -.0337 | -.0242 | .0010  | .0410  |
| .878 | -.0748 | -.0695 | -.0179 | -.0779 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

PAGE 1171

OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF12)

BETA ( 4 ) = 5.030 ALPHA ( 4 ) = 6.230 Q(PSF) = 42.835 P0/PSF = 2127.8 RUN NO = 59.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5398 | -.3894 | -.3883 | -.6510 |
| .230 | .0515  | .0673  | .0167  | -.1315 |
| .410 | .0494  | .0799  | .0588  | .0168  |
| .590 | .0357  | .0494  | .0504  | .0254  |
| .770 | -.0021 | .0189  | .0515  | .0967  |
| .878 | -.0463 | -.0347 | .0262  | -.0095 |

BETA ( 4 ) = 5.020 ALPHA ( 5 ) = 8.330 Q(PSF) = 42.835 P0/PSF = 2127.8 RUN NO = 59.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5192 | -.3778 | -.3842 | -.3569 |
| .230 | .1012  | .1181  | .0580  | -.0956 |
| .410 | .1023  | .1339  | .1107  | .0567  |
| .590 | .0865  | .1118  | .1086  | .0826  |
| .770 | .0316  | .0632  | .1012  | .1572  |
| .878 | -.0222 | -.0053 | .0664  | .0506  |

BETA ( 4 ) = 5.020 ALPHA ( 6 ) = 10.320 Q(PSF) = 42.835 P0/PSF = 2127.8 RUN NO = 59.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4421 | -.3161 | -.2846 | -.1278 |
| .230 | .1469  | .1679  | .1154  | -.0434 |
| .410 | .1469  | .1876  | .1658  | .1167  |
| .590 | .1249  | .1627  | .1658  | .1545  |
| .770 | .0682  | .1070  | .1448  | .1959  |
| .878 | .0104  | .0314  | .0976  | .0965  |

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF12)

BETA ( 5 ) = 10.070 ALPHA ( 1 ) = .000 Q(PSF) = 42.890 PO/PSF = 2127.9 RUN NO = 60.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.8013 | -.6509 | -.5857 | -.9229 |
| .230 | -.0547 | -.0589 | -.1083 | -.1866 |
| .410 | -.0536 | -.0399 | -.0610 | -.0797 |
| .590 | -.0641 | -.0683 | -.0715 | -.0986 |
| .770 | -.0873 | -.0852 | -.0620 | -.0315 |
| .878 | -.1230 | -.1262 | -.0694 | -.1041 |

BETA ( 5 ) = 10.060 ALPHA ( 2 ) = 2.060 Q(PSF) = 42.890 PO/PSF = 2127.9 RUN NO = 60.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6485 | -.5284 | -.4348 | -.4958 |
| .230 | .0010  | -.0010 | -.0516 | -.1177 |
| .410 | .0020  | .0283  | .0031  | -.0332 |
| .590 | -.0105 | .0062  | .0020  | -.0263 |
| .770 | -.0505 | -.0221 | .0041  | .0357  |
| .878 | -.0968 | -.0832 | -.0231 | -.0305 |

BETA ( 5 ) = 10.060 ALPHA ( 3 ) = 4.110 Q(PSF) = 42.890 PO/PSF = 2127.9 RUN NO = 60.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5753 | -.4322 | -.2524 | -.1366 |
| .230 | .0704  | .0883  | .0294  | -.1211 |
| .410 | .0725  | .1198  | .0851  | .0323  |
| .590 | .0514  | .0925  | .0862  | .0685  |
| .770 | -.0126 | .0294  | .0630  | .1114  |
| .878 | -.0789 | -.0536 | .0115  | .0062  |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF12)

BETA ( 5 ) = 10.060 ALPHA ( 4 ) = 6.180 Q(PSF) = 42.890 PO/PSF = 2127.9 RUN NO = 60.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4580 | -.3256 | -.2437 | -.1640 |
| .230 | .1249  | .1522  | .0829  | -.1675 |
| .410 | .1186  | .1877  | .1491  | .0874  |
| .590 | .0871  | .1617  | .1512  | .1408  |
| .770 | -.0010 | .0734  | .1039  | .1794  |
| .878 | -.0683 | -.0368 | .0335  | .0482  |

BETA ( 5 ) = 10.060 ALPHA ( 5 ) = 8.260 Q(PSF) = 42.890 PO/PSF = 2127.9 RUN NO = 60.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3444 | -.2331 | -.1701 | -.0951 |
| .230 | .1679  | .1980  | .1291  | -.1743 |
| .410 | .1574  | .2383  | .1980  | .1442  |
| .590 | .1165  | .2135  | .2011  | .1940  |
| .770 | .0157  | .1060  | .1333  | .2228  |
| .878 | -.0577 | -.0168 | .0482  | .0871  |

BETA ( 5 ) = 10.060 ALPHA ( 6 ) = 10.330 Q(PSF) = 42.890 PO/PSF = 2127.9 RUN NO = 60.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2358 | -.1495 | -.0990 | -.0245 |
| .230 | .2172  | .2462  | .1694  | -.1074 |
| .410 | .1985  | .2836  | .2410  | .1962  |
| .590 | .1568  | .2659  | .2514  | .2444  |
| .770 | .0431  | .1463  | .1663  | .2639  |
| .878 | -.0326 | .0104  | .0673  | .1252  |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF13) ( 03 FEB 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0405

## PARAMETRIC DATA

MACH = .170 ELEVON = .000  
 BDFLAP = .000 SPDBRK = 25.000  
 PHI-N = 66.000 THETAN = 20.000  
 PHI-M = 70.000 THETAM = 11.200

BETA ( 1 ) = -10.100 ALPHA ( 1 ) = .010 Q(PSF) = 42.892 PO/PSF = 2127.6 RUN NO = 62.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.7484 -.7200 -.9779 -.9947  
 .230 -.6726 -.4874 -.3189 -.2524  
 .410 -.1779 -.1305 -.2421 -.2472  
 .590 -.2568 -.2579 -.2758 -.3888  
 .770 -.3337 -.2958 -.3031 -.3253  
 .878 -.3379 -.2884 -.2842 -.2842

BETA ( 1 ) = -10.100 ALPHA ( 2 ) = 2.090 Q(PSF) = 42.892 PO/PSF = 2127.6 RUN NO = 62.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.6651 -.6325 -.8724 -.8132  
 .230 -.6156 -.4052 -.2589 -.1816  
 .410 -.1379 -.0631 -.1789 -.2057  
 .590 -.1821 -.1915 -.2220 -.3145  
 .770 -.2589 -.2389 -.2452 -.2589  
 .878 -.2768 -.2357 -.2368 -.2441

BETA ( 1 ) = -10.100 ALPHA ( 3 ) = 4.120 Q(PSF) = 42.892 PO/PSF = 2127.6 RUN NO = 62.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.5861 -.5577 -.8071 -.7165  
 .230 -.5230 -.3220 -.2052 -.1229  
 .410 -.1136 .0062 -.1105 -.1298  
 .590 -.1115 -.1168 -.1557 -.2437  
 .770 -.1789 -.1768 -.1852 -.2020  
 .878 -.2094 -.1810 -.1789 -.1894

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DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 QRB

MAIN GEAR DOOR INNER SURFACE

(RFFF13)

BETA ( 1 ) = -10.100 ALPHA ( 4 ) = 6.180 Q(PSF) = 42.892 PO/PSF = 2127.6 RUN NO = 62.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5100 | -.4910 | -.7350 | -.6987 |
| .230 | -.4290 | -.2408 | -.1619 | -.0745 |
| .410 | -.0915 | .0504  | -.0347 | -.0452 |
| .590 | -.0505 | -.0336 | -.0904 | -.1693 |
| .770 | -.0967 | -.1020 | -.1199 | -.1346 |
| .878 | -.1262 | -.1157 | -.1178 | -.1262 |

BETA ( 1 ) = -10.100 ALPHA ( 5 ) = 8.270 Q(PSF) = 42.892 PO/PSF = 2127.6 RUN NO = 62.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4316 | -.4316 | -.6359 | -.5494 |
| .230 | -.3021 | -.1411 | -.0905 | .0064  |
| .410 | -.0389 | .0915  | .0325  | .0134  |
| .590 | -.0042 | .0399  | -.0274 | -.0815 |
| .770 | -.0231 | -.0274 | -.0558 | -.0747 |
| .878 | -.0516 | -.0505 | -.0558 | -.0705 |

BETA ( 1 ) = -10.100 ALPHA ( 6 ) = 10.330 Q(PSF) = 42.892 PO/PSF = 2127.6 RUN NO = 62.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3425 | -.3436 | -.5332 | -.3199 |
| .230 | -.2043 | -.0618 | -.0314 | .0803  |
| .410 | .0167  | .1330  | .0890  | .0717  |
| .590 | .0408  | .0921  | .0387  | -.0158 |
| .770 | .0313  | .0345  | .0093  | -.0178 |
| .878 | .0135  | .0062  | -.0031 | -.0073 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF13)

BETA ( 2 ) = -5.060 ALPHA ( 1 ) = .000 Q(P5F) = 42.912 PO/PSF = 2127.5 RUN NO = 63.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6972 | -.6394 | -.9054 | -.9506 |
| .230 | -.5111 | -.4038 | -.2955 | -.1987 |
| .410 | -.1672 | -.0820 | -.1409 | -.1504 |
| .590 | -.1472 | -.1714 | -.2219 | -.2263 |
| .770 | -.1861 | -.2387 | -.2545 | -.2692 |
| .878 | -.2093 | -.2398 | -.2650 | -.2776 |

BETA ( 2 ) = -5.060 ALPHA ( 2 ) = 2.050 Q(P5F) = 42.912 PO/PSF = 2127.5 RUN NO = 63.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .051 | -.6298 | -.5931 | -.8283 | -.8319 |
| .230 | -.4104 | -.3065 | -.2309 | -.1226 |
| .410 | -.1260 | -.0430 | -.0840 | -.1002 |
| .590 | -.1050 | -.0913 | -.1585 | -.1587 |
| .770 | -.1291 | -.1659 | -.2026 | -.2163 |
| .878 | -.1543 | -.1858 | -.1994 | -.2120 |

BETA ( 2 ) = -5.060 ALPHA ( 3 ) = 4.090 Q(P5F) = 42.912 PO/PSF = 2127.5 RUN NO = 63.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5697 | -.5277 | -.7358 | -.5451 |
| .230 | -.2996 | -.2186 | -.1745 | -.0745 |
| .410 | -.0704 | -.0031 | -.0263 | -.0435 |
| .590 | -.0589 | -.0336 | -.0851 | -.0952 |
| .770 | -.0799 | -.1019 | -.1461 | -.1619 |
| .878 | -.1030 | -.1261 | -.1482 | -.1608 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF13)

BETA ( 2 ) = -5.060 ALPHA ( 4 ) = 6.180 Q(PSF) = 42.912 PO/PSF = 2127.5 RUN NO = 63.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5081 | -.4534 | -.6680 | -.5835 |
| .230 | -.1462 | -.1252 | -.1283 | -.0435 |
| .410 | -.0095 | .0367  | .0178  | .0082  |
| .590 | -.0095 | .0083  | -.0305 | -.0383 |
| .770 | -.0315 | -.0536 | -.0894 | -.1020 |
| .878 | -.0568 | -.0820 | -.0926 | -.1094 |

BETA ( 2 ) = -5.060 ALPHA ( 5 ) = 8.280 Q(PSF) = 42.912 PO/PSF = 2127.5 RUN NO = 63.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4433 | -.3803 | -.5893 | -.6223 |
| .230 | -.0210 | -.0420 | -.1019 | .0185  |
| .410 | .0461  | .0756  | .0850  | .0564  |
| .590 | .0388  | .0566  | .0209  | .0323  |
| .770 | .0167  | .0125  | -.0199 | -.0315 |
| .878 | -.0084 | -.0220 | -.0399 | -.0420 |

BETA ( 2 ) = -5.060 ALPHA ( 6 ) = 10.300 Q(PSF) = 42.912 PO/PSF = 2127.5 RUN NO = 63.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3647 | -.3122 | -.5130 | -.5072 |
| .230 | .0661  | .0441  | -.0589 | .0702  |
| .410 | .0935  | .1187  | .1492  | .1271  |
| .590 | .0872  | .1019  | .0945  | .1047  |
| .770 | .0651  | .0672  | .0357  | .0272  |
| .878 | .0367  | .0325  | .0041  | .0146  |



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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF13)

BETA ( 3 ) = .000 ALPHA ( 1 ) = .000 Q(PSF) = 42.902 PO/PSF = 2119.0 RUN NO = 67.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6801 | -.6160 | -.8462 | -.7451 |
| .230 | -.2376 | -.2628 | -.2449 | -.1745 |
| .410 | -.1051 | -.0757 | -.0988 | -.1210 |
| .590 | -.1135 | -.1135 | -.1577 | -.1417 |
| .770 | -.1430 | -.1892 | -.2239 | -.2323 |
| .878 | -.1650 | -.2228 | -.2386 | -.2228 |

BETA ( 3 ) = .000 ALPHA ( 2 ) = 2.040 Q(PSF) = 42.902 PO/PSF = 2119.0 RUN NO = 67.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6286 | -.5603 | -.7726 | -.7958 |
| .230 | -.1356 | -.1787 | -.2239 | -.1400 |
| .410 | -.0620 | -.0420 | -.0357 | -.0607 |
| .590 | -.0767 | -.0631 | -.0967 | -.0762 |
| .770 | -.1041 | -.1230 | -.1619 | -.1724 |
| .878 | -.1251 | -.1671 | -.1934 | -.1787 |

BETA ( 3 ) = .000 ALPHA ( 3 ) = 4.120 Q(PSF) = 42.902 PO/PSF = 2119.0 RUN NO = 67.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5597 | -.5029 | -.7111 | -.7715 |
| .230 | -.0505 | -.0926 | -.2072 | -.0832 |
| .410 | -.0231 | .0010  | .0315  | .0030  |
| .590 | -.0347 | -.0210 | -.0400 | -.0159 |
| .770 | -.0600 | -.0642 | -.1041 | -.1136 |
| .878 | -.0863 | -.1073 | -.1462 | -.1083 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF13)

BETA ( 3 ) = .000 ALPHA ( 4 ) = 6.200 Q(PSF) = 42.902 PO/PSF = 2119.0 RUN NO = 67.000

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4925 | -.4347 | -.6427 | -.6221 |
| .230 | .0167  | -.0073 | -.1859 | -.0348 |
| .410 | .0157  | .0388  | .0629  | .0150  |
| .590 | .0073  | .0146  | .0052  | .0185  |
| .770 | -.0168 | -.0136 | -.0252 | .0020  |
| .878 | -.0483 | -.0535 | -.0745 | -.0399 |

BETA ( 3 ) = .000 ALPHA ( 5 ) = 8.270 Q(PSF) = 42.902 PO/PSF = 2119.0 RUN NO = 67.000

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4096 | -.3581 | -.5325 | -.4533 |
| .230 | .0619  | .0587  | -.1281 | -.0348 |
| .410 | .0545  | .0839  | .1112  | .1063  |
| .590 | .0482  | .0650  | .0850  | .1063  |
| .770 | .0199  | .0346  | .0220  | .0588  |
| .878 | -.0084 | -.0105 | -.0378 | .0052  |

BETA ( 3 ) = .000 ALPHA ( 6 ) = 10.320 Q(PSF) = 42.902 PO/PSF = 2119.0 RUN NO = 67.000

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3274 | -.2811 | -.4190 | -.2921 |
| .230 | .1010  | .1115  | -.0663 | -.0366 |
| .410 | .0904  | .1294  | .1505  | .1515  |
| .590 | .0852  | .1104  | .1431  | .1532  |
| .770 | .0578  | .0789  | .0926  | .0868  |
| .878 | .0273  | .0294  | .0220  | .0578  |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(REF: F12)

BETA ( 4 ) = 5.050 ALPHA ( 1 ) = .010 Q(PSF) = 42.927 PO/PSF = 2119.0 RUN NO = 68.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6421 | -.6243 | -.7901 | -.8504 |
| .230 | -.0650 | -.0955 | -.2728 | -.2017 |
| .410 | -.0934 | -.0535 | -.0325 | -.0589 |
| .590 | -.1060 | -.0766 | -.0703 | -.0675 |
| .770 | -.1290 | -.1133 | -.1479 | -.1616 |
| .878 | -.1542 | -.1584 | -.2014 | -.1500 |

BETA ( 4 ) = 5.050 ALPHA ( 2 ) = 2.040 Q(PSF) = 42.927 PO/PSF = 2119.0 RUN NO = 68.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5919 | -.5562 | -.7065 | -.6866 |
| .230 | -.0347 | -.0284 | -.2313 | -.1797 |
| .410 | -.0610 | -.0073 | .0115  | -.0055 |
| .590 | -.0683 | -.0315 | -.0126 | -.0073 |
| .770 | -.0999 | -.0683 | -.0851 | -.1020 |
| .878 | -.1219 | -.1188 | -.1524 | -.0936 |

BETA ( 4 ) = 5.050 ALPHA ( 3 ) = 4.140 Q(PSF) = 42.927 PO/PSF = 2119.0 RUN NO = 68.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5037 | -.4606 | -.5857 | -.5435 |
| .230 | -.0158 | .0073  | -.1851 | -.1538 |
| .410 | -.0294 | .0294  | .0482  | .0427  |
| .590 | -.0326 | .0104  | .0357  | .0496  |
| .770 | -.0589 | -.0210 | -.0252 | -.0315 |
| .878 | -.0683 | -.0789 | -.1009 | -.0452 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF13)

BETA ( 4 ) = 5.050 ALPHA ( 4 ) = 6.210 Q(PSF) = 42.927 PO/PSF = 2119.0 RUN NO = 68.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4578 | -.3883 | -.4367 | -.3938 |
| .230 | .0157  | .0441  | -.1357 | -.1332 |
| .410 | .0052  | .0652  | .0778  | .0703  |
| .590 | .0020  | .0515  | .0715  | .0858  |
| .770 | -.0252 | .0167  | .0325  | .0410  |
| .878 | -.0558 | -.0410 | -.0421 | -.0095 |

BETA ( 4 ) = 5.050 ALPHA ( 5 ) = 8.320 Q(PSF) = 42.927 PO/PSF = 2119.0 RUN NO = 68.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4469 | -.3504 | -.2665 | -.1345 |
| .230 | .0545  | .0807  | -.1028 | -.1380 |
| .410 | .0440  | .1153  | .1069  | .0443  |
| .590 | .0419  | .0996  | .1153  | .0494  |
| .770 | .0094  | .0671  | .1017  | .1300  |
| .878 | -.0273 | .0031  | .0324  | -.0210 |

BETA ( 4 ) = 5.050 ALPHA ( 6 ) = 10.370 Q(PSF) = 42.927 PO/PSF = 2119.0 RUN NO = 68.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |       |        |
|------|--------|--------|-------|--------|
| .050 | -.3739 | -.2815 | .0146 | .1132  |
| .230 | .1071  | .1564  | .0367 | -.1468 |
| .410 | .0918  | .1835  | .1918 | .1029  |
| .590 | .0692  | .1585  | .1877 | .1132  |
| .770 | .0314  | .1176  | .1533 | .1575  |
| .878 | -.0052 | .0451  | .0850 | .0377  |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF13)

BETA ( 5 ) = 10.100 ALPHA ( 1 ) = .030 Q(PSF) = 42.917 PO/PSF = 2119.1 RUN NO = 69.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7915 | -.5805 | -.5836 | -.5925 |
| .230 | -.0777 | -.0714 | -.2813 | -.2517 |
| .410 | -.0682 | -.0304 | -.0388 | -.1604 |
| .590 | -.0703 | -.0441 | -.0441 | -.1174 |
| .770 | -.0987 | -.0735 | -.0514 | -.0168 |
| .878 | -.1354 | -.1333 | -.1186 | -.1816 |

BETA ( 5 ) = 10.100 ALPHA ( 2 ) = 2.080 Q(PSF) = 42.917 PO/PSF = 2119.1 RUN NO = 69.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7653 | -.5319 | -.3332 | -.3451 |
| .230 | -.0473 | -.0252 | -.2039 | -.2124 |
| .410 | -.0420 | .0199  | -.0021 | -.0676 |
| .590 | -.0441 | .0062  | .0020  | -.0831 |
| .770 | -.0778 | -.0263 | -.0842 | .0178  |
| .878 | -.1146 | -.0883 | -.0725 | -.1514 |

BETA ( 5 ) = 10.100 ALPHA ( 3 ) = 4.110 Q(PSF) = 42.917 PO/PSF = 2119.1 RUN NO = 69.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6023 | -.3542 | .1218  | -.0055 |
| .230 | -.0042 | .0567  | -.0799 | -.2141 |
| .410 | -.0137 | .0935  | .0861  | .0254  |
| .590 | -.0231 | .0693  | .0798  | .0064  |
| .770 | -.0652 | .0304  | .0577  | .0588  |
| .878 | -.0988 | -.0462 | -.0158 | -.1019 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF13)

BETA ( 5 ) = 10.100 ALPHA ( 4 ) = 6.230 Q(PSF) = 42.917 PO/PSF = 2119.1 RUN NO = 69.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |         |        |        |        |
|------|---------|--------|--------|--------|
| .050 | 23.2136 | .1303  | .1618  | .0633  |
| .230 | -.0977  | .0809  | .1292  | -.0004 |
| .410 | -.6654  | -.0073 | .0388  | .1397  |
| .590 | -.2775  | -.4436 | -.2481 | -.0431 |
| .770 | -.2628  | .0251  | .1208  | -.0536 |
| .878 | -.3269  | -.0084 | .1534  | .1639  |

BETA ( 5 ) = 10.100 ALPHA ( 5 ) = 8.280 Q(PSF) = 42.917 PO/PSF = 2119.1 RUN NO = 69.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2828 | -.1072 | .1555  | .1737  |
| .230 | .0651  | .1659  | -.0137 | -.2452 |
| .410 | .0188  | .1889  | .2045  | .0754  |
| .590 | -.0021 | .1650  | .2034  | .0961  |
| .770 | -.0526 | .1103  | .1692  | .1899  |
| .878 | -.0841 | .0125  | .0704  | .0104  |

BETA ( 5 ) = 10.090 ALPHA ( 6 ) = 10.340 Q(PSF) = 42.917 PO/PSF = 2119.1 RUN NO = 69.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |       |       |        |
|------|--------|-------|-------|--------|
| .050 | -.1240 | .0356 | .3421 | .3073  |
| .230 | .1123  | .2147 | .0388 | -.2071 |
| .410 | .0619  | .2271 | .2426 | .1081  |
| .590 | .0335  | .2002 | .2375 | .1271  |
| .770 | -.0284 | .1418 | .2022 | .2250  |
| .878 | -.0609 | .0398 | .0987 | .0398  |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF14) ( 03 FEB 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0405

## PARAMETRIC DATA

MACH = .170 ELEVON = .000  
 BDFLAP = .000 SPDBRK = 25.000  
 PHI-N = 66.000 THETAN = 20.000  
 PHI-M = 88.000 THETAM = 20.000

BETA ( 1 ) = -10.090 ALPHA ( 1 ) = .010 Q(PSF) = 42.902 PO/PSF = 2119.2 RUN NO = 70.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.8914 -.7706 -.9838 -.5875  
 .230 -.6856 -.4147 -.4357 -.4170  
 .410 -.2751 -.1501 -.2698 -.2879  
 .590 -.2467 -.2089 -.2866 -.3723  
 .770 -.2866 -.2436 -.2761 -.2982  
 .878 -.3202 -.2572 -.2635 -.2625

BETA ( 1 ) = -10.090 ALPHA ( 2 ) = 2.110 Q(PSF) = 42.902 PO/PSF = 2119.2 RUN NO = 70.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.8022 -.6854 -.8823 -.5425  
 .230 -.5527 -.3274 -.3716 -.3664  
 .410 -.2316 -.1221 -.2000 -.2265  
 .590 -.1863 -.1579 -.2137 -.2973  
 .770 -.2021 -.1863 -.2127 -.2369  
 .878 -.2358 -.2042 -.2084 -.2063

BETA ( 1 ) = -10.090 ALPHA ( 3 ) = 4.120 Q(PSF) = 42.902 PO/PSF = 2119.2 RUN NO = 70.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.7226 -.5951 -.7826 -.5998  
 .230 -.4150 -.2412 -.3118 -.2940  
 .410 -.1906 -.0874 -.1401 -.1645  
 .590 -.1422 -.1095 -.1401 -.2249  
 .770 -.1369 -.1285 -.1443 -.1622  
 .878 -.1590 -.1485 -.1506 -.1432

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF14)

BETA ( 1 ) = -10.090 ALPHA ( 4 ) = 6.190 Q(PSF) = 42.902 PO/PSF = 2119.2 RUN NO = 70.000

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6467 | -.5087 | -.5783 | -.5721 |
| .230 | -.2686 | -.1464 | -.2475 | -.2093 |
| .410 | -.1264 | -.0432 | -.0853 | -.1126 |
| .590 | -.1022 | -.0568 | -.0706 | -.1541 |
| .770 | -.0874 | -.0663 | -.0769 | -.0916 |
| .878 | -.1000 | -.0895 | -.0927 | -.0832 |

BETA ( 1 ) = -10.090 ALPHA ( 5 ) = 8.270 Q(PSF) = 42.902 PO/PSF = 2119.2 RUN NO = 70.000

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5434 | -.4102 | -.5581 | -.2980 |
| .230 | -.1059 | -.0545 | -.1773 | -.1070 |
| .410 | -.0556 | .0073  | -.0304 | -.0330 |
| .590 | -.0503 | -.0042 | -.0136 | -.0915 |
| .770 | -.0514 | -.0073 | -.0168 | -.0409 |
| .878 | -.0608 | -.0294 | -.0336 | -.0210 |

BETA ( 1 ) = -10.100 ALPHA ( 6 ) = 10.340 Q(PSF) = 42.902 PO/PSF = 2119.2 RUN NO = 70.000

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4102 | -.3399 | -.5508 | -.3015 |
| .230 | -.0021 | .0335  | -.1028 | -.0692 |
| .410 | .0198  | .0671  | .0230  | .0202  |
| .590 | .0094  | .0482  | .0345  | -.0313 |
| .770 | -.0021 | .0429  | .0429  | .0282  |
| .878 | -.0199 | .0167  | .0240  | .0450  |



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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF14)

BETA ( 2 ) = -5.080 ALPHA ( 1 ) = -.010 Q(PSF) = 42.865 PO/PSF = 2119.1 RUN NO = 71.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.8491 | -.7037 | -.9007 | -.8521 |
| .230 | -.4077 | -.3297 | -.4309 | -.3493 |
| .410 | -.2138 | -.1633 | -.1854 | -.2249 |
| .590 | -.1833 | -.1517 | -.1896 | -.2336 |
| .770 | -.1864 | -.1801 | -.2286 | -.2570 |
| .878 | -.1980 | -.2001 | -.2086 | -.2307 |

BETA ( 2 ) = -5.080 ALPHA ( 2 ) = 2.070 Q(PSF) = 42.865 PO/PSF = 2119.1 RUN NO = 71.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7605 | -.6198 | -.7763 | -.5189 |
| .230 | -.2469 | -.2258 | -.3561 | -.2570 |
| .410 | -.1387 | -.1250 | -.1576 | -.1554 |
| .590 | -.1376 | -.1260 | -.1492 | -.1933 |
| .770 | -.1418 | -.1271 | -.1576 | -.1670 |
| .878 | -.1544 | -.1408 | -.1439 | -.1733 |

BETA ( 2 ) = -5.080 ALPHA ( 3 ) = 4.110 Q(PSF) = 42.865 PO/PSF = 2119.1 RUN NO = 71.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6132 | -.5470 | -.7563 | -.5437 |
| .230 | -.1336 | -.1273 | -.2987 | -.2263 |
| .410 | -.0757 | -.0642 | -.1157 | -.1194 |
| .590 | -.0789 | -.0757 | -.0926 | -.1263 |
| .770 | -.0894 | -.0726 | -.0747 | -.0968 |
| .878 | -.1094 | -.0905 | -.0799 | -.1220 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

PAGE 1187

0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF14)

BETA ( 2 ) = -5.080 ALPHA ( 4 ) = 6.200 Q(PSF) = 42.865 PO/PSF = 2119.1 RUN NO = 71.000

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5920 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5178 | -.4757 | -.7220 | -.4733 |
| .230 | -.0379 | -.0610 | -.2589 | -.2006 |
| .410 | -.0189 | -.0126 | -.0379 | -.0729 |
| .590 | -.0252 | -.0252 | -.0347 | -.0521 |
| .770 | -.0347 | -.0242 | -.0200 | -.0442 |
| .878 | -.0579 | -.0495 | -.0347 | -.0610 |

BETA ( 2 ) = -5.080 ALPHA ( 5 ) = 8.270 Q(PSF) = 42.865 PO/PSF = 2119.1 RUN NO = 71.000

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5920 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4622 | -.4401 | -.7517 | -.4682 |
| .230 | .0157  | -.0505 | -.2853 | -.1678 |
| .410 | .0252  | .0231  | .0094  | -.0401 |
| .590 | .0294  | .0315  | .0389  | .0047  |
| .770 | .0147  | .0178  | .0262  | .0157  |
| .878 | -.0084 | -.0105 | -.0274 | .0115  |

BETA ( 2 ) = -5.080 ALPHA ( 6 ) = 10.330 Q(PSF) = 42.865 PO/PSF = 2119.1 RUN NO = 71.000

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5920 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3713 | -.3597 | -.4797 | -.4023 |
| .230 | .0714  | -.0052 | -.2240 | -.1039 |
| .410 | .0714  | .0714  | .0578  | .0220  |
| .590 | .0799  | .0851  | .1146  | .0841  |
| .770 | .0620  | .0651  | .0862  | .0830  |
| .878 | .0367  | .0283  | .0252  | .0714  |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF14)

BETA ( 3 ) = .000 ALPHA ( 1 ) = .000 Q(PSF) = 42.907 PO/PSF = 2119.1 RUN NO = 72.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6764 | -.6722 | -.9272 | -.6638 |
| .230 | -.1696 | -.1802 | -.3508 | -.3217 |
| .410 | -.1380 | -.1243 | -.1770 | -.1472 |
| .590 | -.1370 | -.1349 | -.1549 | -.1835 |
| .770 | -.1380 | -.1233 | -.1791 | -.1780 |
| .878 | -.1496 | -.1686 | -.1812 | -.1749 |

BETA ( 3 ) = .000 ALPHA ( 2 ) = 2.030 Q(PSF) = 42.907 PO/PSF = 2119.1 RUN NO = 72.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6319 | -.6560 | -.9068 | -.6682 |
| .230 | -.1123 | -.1879 | -.4167 | -.2930 |
| .410 | -.0976 | -.0871 | -.1333 | -.1656 |
| .590 | -.0913 | -.0913 | -.1249 | -.1604 |
| .770 | -.1008 | -.0987 | -.1133 | -.0829 |
| .878 | -.1175 | -.1249 | -.1490 | -.0850 |

BETA ( 3 ) = .000 ALPHA ( 3 ) = 4.120 Q(PSF) = 42.907 PO/PSF = 2119.1 RUN NO = 72.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5386 | -.6523 | -.8890 | -.6180 |
| .230 | -.0568 | -.1599 | -.3892 | -.2574 |
| .410 | -.0610 | -.0421 | -.0726 | -.1211 |
| .590 | -.0494 | -.0379 | -.0294 | -.0556 |
| .770 | -.0610 | -.0526 | -.0410 | -.0021 |
| .878 | -.0852 | -.0873 | -.0968 | -.0600 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

PAGE 1189

0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF14)

BETA ( 3 ) = .000 ALPHA ( 4 ) = 6.180 Q(PSF) = 42.907 PO/PSF = 2119.1 RUN NO = 72.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5007 | -.5732 | -.5784 | -.5530 |
| .230 | -.0273 | -.1186 | -.3317 | -.2104 |
| .410 | -.0210 | .0000  | -.0304 | -.0727 |
| .590 | -.0115 | .0104  | .0398  | .0185  |
| .770 | -.0241 | -.0084 | .0188  | .0587  |
| .878 | -.0504 | -.0483 | -.0462 | -.0115 |

BETA ( 3 ) = .000 ALPHA ( 5 ) = 8.240 Q(PSF) = 42.907 PO/PSF = 2119.1 RUN NO = 72.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4162 | -.4698 | -.3973 | -.3502 |
| .230 | -.0063 | -.0715 | -.2732 | -.1572 |
| .410 | .0125  | .0451  | .0157  | -.0314 |
| .590 | .0262  | .0577  | .0861  | .0909  |
| .770 | .0104  | .0346  | .0672  | .1166  |
| .878 | -.0147 | -.0094 | .0062  | .0483  |

BETA ( 3 ) = .000 ALPHA ( 6 ) = 10.310 Q(PSF) = 42.907 PO/PSF = 2119.1 RUN NO = 72.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3825 | -.3856 | -.2154 | -.1554 |
| .230 | .0262  | -.0210 | -.2101 | -.1210 |
| .410 | .0409  | .0903  | .0588  | .0030  |
| .590 | .0598  | .0997  | .1239  | .1322  |
| .770 | .0409  | .0777  | .1039  | .1670  |
| .878 | .0167  | .0283  | .0419  | .0955  |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

PAGE 1190

OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF14)

BETA ( 4 ) = 5.020 ALPHA ( 1 ) = .000 Q(PSF) = 42.913 PO/PSF = 2119.0 RUN NO = 73.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7362 | -.7920 | -.9382 | -.7920 |
| .230 | -.1693 | -.2451 | -.4701 | -.3263 |
| .410 | -.1525 | -.1041 | -.1346 | -.1642 |
| .590 | -.1399 | -.0946 | -.0820 | -.1228 |
| .770 | -.1514 | -.1136 | -.0999 | -.0547 |
| .878 | -.1693 | -.1504 | -.1588 | -.1178 |

BETA ( 4 ) = 5.030 ALPHA ( 2 ) = 2.050 Q(PSF) = 42.913 PO/PSF = 2119.0 RUN NO = 73.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7179 | -.6958 | -.6695 | -.6719 |
| .230 | -.1537 | -.2021 | -.4242 | -.2852 |
| .410 | -.1263 | -.0600 | -.0916 | -.1419 |
| .590 | -.1063 | -.0495 | -.0263 | -.0366 |
| .770 | -.1242 | -.0737 | -.0421 | .0125  |
| .878 | -.1421 | -.1158 | -.1084 | -.0758 |

BETA ( 4 ) = 5.020 ALPHA ( 3 ) = 4.110 Q(PSF) = 42.913 PO/PSF = 2119.0 RUN NO = 73.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5894 | -.5883 | -.4696 | -.4604 |
| .230 | -.1313 | -.1534 | -.3677 | -.2536 |
| .410 | -.1019 | -.0168 | -.0494 | -.1175 |
| .590 | -.0767 | -.0073 | .0167  | .0133  |
| .770 | -.0924 | -.0294 | -.0042 | .0545  |
| .878 | -.1124 | -.0788 | -.0693 | -.0347 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

PAGE 1191

OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF14)

BETA ( 4 ) = 5.020 ALPHA ( 4 ) = 5.170 Q(PSF) = 42.913 PO/PSF = 2119.0 RUN NO = 73.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5623 | -.4761 | -.2890 | -.2606 |
| .230 | -.0956 | -.0977 | -.3006 | -.2175 |
| .410 | -.0725 | .0272  | .0010  | -.0710 |
| .590 | -.0473 | .0356  | .0493  | .0426  |
| .770 | -.0609 | .0115  | .0293  | .0850  |
| .878 | -.0799 | -.0410 | -.0326 | -.0063 |

BETA ( 4 ) = 5.030 ALPHA ( 5 ) = 8.260 Q(PSF) = 42.913 PO/PSF = 2119.0 RUN NO = 73.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5153 | -.3691 | -.0873 | .0064  |
| .230 | -.0526 | -.0273 | -.2124 | -.1745 |
| .410 | -.0357 | .0777  | .0504  | -.0176 |
| .590 | -.0158 | .0788  | .0851  | .0634  |
| .770 | -.0315 | .0546  | .0620  | .1135  |
| .878 | -.0515 | .0000  | .0020  | .0178  |

BETA ( 4 ) = 5.020 ALPHA ( 6 ) = 10.330 Q(PSF) = 42.913 PO/PSF = 2119.0 RUN NO = 73.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4109 | -.2317 | .1904  | .1096  |
| .230 | .0073  | .0523  | -.1205 | -.1310 |
| .410 | .0020  | .1393  | .0943  | .0116  |
| .590 | .0125  | .1341  | .1215  | .0959  |
| .770 | -.0105 | .1005  | .0964  | .1509  |
| .878 | -.0293 | .0397  | .0408  | .0366  |

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

PAGE 1182

0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF14)

BETA ( 5 ) = 10.080 ALPHA ( 1 ) = -.010 Q(PSF) = 42.910 PO/PSF = 2119.2 RUN NO = 74.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7856 | -.6480 | -.5094 | -.5153 |
| .230 | -.2174 | -.2016 | -.4148 | -.3000 |
| .410 | -.1670 | -.0841 | -.1061 | -.1674 |
| .590 | -.1365 | -.0557 | -.0494 | -.0727 |
| .770 | -.1491 | -.0798 | -.0693 | -.0231 |
| .878 | -.1659 | -.1302 | -.1334 | -.1334 |

BETA ( 5 ) = 10.080 ALPHA ( 2 ) = 2.040 Q(PSF) = 42.910 PO/PSF = 2119.2 RUN NO = 74.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7469 | -.5144 | -.1620 | -.1987 |
| .230 | -.1736 | -.1304 | -.3029 | -.2522 |
| .410 | -.1367 | -.0147 | -.0589 | -.1228 |
| .590 | -.1083 | -.0126 | -.0210 | -.0487 |
| .770 | -.1273 | -.0400 | -.0379 | .0010  |
| .878 | -.1462 | -.0915 | -.0989 | -.1262 |

BETA ( 5 ) = 10.080 ALPHA ( 3 ) = 4.130 Q(PSF) = 42.910 PO/PSF = 2119.2 RUN NO = 74.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5775 | -.2135 | .2439  | .0237  |
| .230 | -.1167 | -.0389 | -.1956 | -.1970 |
| .410 | -.1073 | .0567  | .0041  | -.0745 |
| .590 | -.0926 | .0451  | .0241  | -.0021 |
| .770 | -.1104 | .0083  | .0052  | .0462  |
| .878 | -.1304 | -.0494 | -.0526 | -.1073 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF14)

BETA ( 5 ) = 10.080 ALPHA ( 4 ) = 6.180 Q(PSF) = 42.910 PO/PSF = 2119.2 RUN NO = 74.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4306 | -.1145 | .3595  | .1046  |
| .230 | -.1218 | .0104  | -.1995 | -.2380 |
| .410 | -.1344 | .1091  | .0608  | -.0675 |
| .590 | -.1166 | .0986  | .0839  | .0374  |
| .770 | -.1386 | .0556  | .0545  | .1196  |
| .878 | -.1470 | -.0157 | -.0157 | -.0315 |

BETA ( 5 ) = 10.080 ALPHA ( 5 ) = 8.270 Q(PSF) = 42.910 PO/PSF = 2119.2 RUN NO = 74.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |       |        |        |
|------|--------|-------|--------|--------|
| .050 | -.2424 | .1385 | .5155  | .1956  |
| .230 | -.0871 | .0597 | -.1627 | -.2241 |
| .410 | -.1133 | .1448 | .0944  | -.0399 |
| .590 | -.1028 | .1322 | .1185  | .0856  |
| .770 | -.1312 | .0870 | .0860  | .1731  |
| .878 | -.1375 | .0394 | .0083  | .0104  |

BETA ( 5 ) = 10.080 ALPHA ( 6 ) = 10.320 Q(PSF) = 42.910 PO/PSF = 2119.2 RUN NO = 74.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |       |        |        |
|------|--------|-------|--------|--------|
| .050 | -.0832 | .4496 | .6281  | .2633  |
| .230 | -.0410 | .1136 | -.1105 | -.1972 |
| .410 | -.0726 | .1840 | .1336  | -.0073 |
| .590 | -.0695 | .1684 | .1557  | .1204  |
| .770 | -.1084 | .1199 | .1199  | .1964  |
| .878 | -.1137 | .0347 | .0326  | .0147  |



DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF15) ( 03 FEB 76 )

## REFERENCE DATA

## PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0405

MACH = .170 ELEVON = .000  
 BDFLAP = .000 SPDBRK = 25.000  
 PHI-N = 66.000 THETAN = 35.000  
 PHI-M = 88.000 THETAM = 35.000

BETA ( 1 ) = -10.090 ALPHA ( 1 ) = .010 Q(PSF) = 42.948 PO/PSF = 2117.8 RUN NO = 75.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.6558 -.5284 -.6557 -1.2518  
 .230 -.3347 -.3936 -.2663 -.1678  
 .410 -.2842 -.2705 -.2126 -.1885  
 .590 -.2273 -.2073 -.2831 -.3404  
 .770 -.3189 -.2894 -.2821 -.3452  
 .878 -.3431 -.2979 -.3052 -.2979

BETA ( 1 ) = -10.080 ALPHA ( 2 ) = 2.110 Q(PSF) = 42.948 PO/PSF = 2117.8 RUN NO = 75.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.5795 -.4464 -.5397 -1.0950  
 .230 -.2693 -.3416 -.2242 -.0777  
 .410 -.2473 -.2253 -.1876 -.1344  
 .590 -.1624 -.1551 -.2400 -.2839  
 .770 -.2284 -.2295 -.2305 -.2892  
 .878 -.2651 -.2452 -.2410 -.2557

BETA ( 1 ) = -10.080 ALPHA ( 3 ) = 4.100 Q(PSF) = 42.948 PO/PSF = 2117.8 RUN NO = 75.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.4986 -.3798 -.4282 -.9528  
 .230 -.2199 -.3104 -.2062 -.0349  
 .410 -.2230 -.1831 -.1410 -.0849  
 .590 -.1031 -.0936 -.1904 -.2229  
 .770 -.1420 -.1610 -.1652 -.2230  
 .878 -.1820 -.1831 -.1694 -.1862

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF15)

BETA ( 1 ) = -10.090 ALPHA ( 4 ) = 6.210 Q(PSF) = 42.948 PO/PSF = 2117.8 RUN NO = 75.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4313 | -.3219 | -.3408 | -.8008 |
| .230 | -.1672 | -.3114 | -.2125 | -.0280 |
| .410 | -.2083 | -.1483 | -.1094 | -.0400 |
| .590 | -.0789 | -.0242 | -.1241 | -.1608 |
| .770 | -.0694 | -.0873 | -.1011 | -.1462 |
| .878 | -.0862 | -.1178 | -.1125 | -.1157 |

BETA ( 1 ) = -10.090 ALPHA ( 5 ) = 8.280 Q(PSF) = 42.948 PO/PSF = 2117.8 RUN NO = 75.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3784 | -.2778 | -.2778 | -.5934 |
| .230 | -.1142 | -.3103 | -.2526 | -.0588 |
| .410 | -.1834 | -.1289 | -.1237 | -.0055 |
| .590 | -.0755 | .0219  | .0020  | -.0605 |
| .770 | -.0430 | .0020  | -.0398 | -.0566 |
| .878 | -.0482 | -.0262 | -.0608 | -.0514 |

BETA ( 1 ) = -10.090 ALPHA ( 6 ) = 10.350 Q(PSF) = 42.948 PO/PSF = 2117.8 RUN NO = 75.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2977 | -.2254 | -.1971 | -.4422 |
| .230 | -.0514 | -.2705 | -.2369 | -.0072 |
| .410 | -.1069 | -.0860 | -.0964 | .0013  |
| .590 | -.0356 | .0586  | .0785  | .0185  |
| .770 | -.0094 | .0534  | .0398  | .0219  |
| .878 | -.0168 | .0261  | .0041  | .0114  |

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OF POOR QUALITY

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-7B1 )

PAGE 1158

0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF15)

BETA ( 2 ) = -5.060 ALPHA ( 1 ) = .000 Q(PSF) = 42.932 PO/PSF = 2117.7 RUN NO = 76.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |         |
|------|--------|--------|--------|---------|
| .050 | -.6005 | -.5418 | -.5376 | -1.1157 |
| .230 | -.3071 | -.5219 | -.3773 | -.1705  |
| .410 | -.2987 | -.2725 | -.2473 | -.1602  |
| .590 | -.1666 | -.1519 | -.2557 | -.2599  |
| .770 | -.1761 | -.2253 | -.2421 | -.2593  |
| .878 | -.1970 | -.2389 | -.2358 | -.2295  |

BETA ( 2 ) = -5.060 ALPHA ( 2 ) = 2.060 Q(PSF) = 42.932 PO/PSF = 2117.7 RUN NO = 76.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5418 | -.4956 | -.4673 | -.9199 |
| .230 | -.2615 | -.5355 | -.4169 | -.2018 |
| .410 | -.2772 | -.2552 | -.2478 | -.1037 |
| .590 | -.1449 | -.0819 | -.1585 | -.1932 |
| .770 | -.1270 | -.1270 | -.1921 | -.2331 |
| .878 | -.1428 | -.1606 | -.1879 | -.1669 |

BETA ( 2 ) = -5.060 ALPHA ( 3 ) = 4.130 Q(PSF) = 42.932 PO/PSF = 2117.7 RUN NO = 76.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4579 | -.4359 | -.3792 | -.6497 |
| .230 | -.2080 | -.4989 | -.3644 | -.0899 |
| .410 | -.2300 | -.2164 | -.2027 | -.0779 |
| .590 | -.1092 | -.0399 | -.0977 | -.1278 |
| .770 | -.0851 | -.0756 | -.1376 | -.1712 |
| .878 | -.0998 | -.1092 | -.1428 | -.1250 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF15)

BETA ( 2 ) = -5.060 ALPHA ( 4 ) = 6.190 Q(PSF) = 42.932 PO/PSF = 2117.7 RUN NO = 76.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3906 | -.4085 | -.3284 | -.5822 |
| .230 | -.1590 | -.4611 | -.3853 | -.0884 |
| .410 | -.1758 | -.1895 | -.2095 | -.0919 |
| .590 | -.0853 | -.0189 | -.0137 | -.0504 |
| .770 | -.0568 | -.0158 | -.0474 | -.0589 |
| .878 | -.0653 | -.0463 | -.0810 | -.0874 |

BETA ( 2 ) = -5.060 ALPHA ( 5 ) = 8.250 Q(PSF) = 42.932 PO/PSF = 2117.7 RUN NO = 76.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3244 | -.3750 | -.2633 | -.5185 |
| .230 | -.1306 | -.4097 | -.3518 | -.0556 |
| .410 | -.1127 | -.1390 | -.1538 | -.0591 |
| .590 | -.0253 | .0199  | .0452  | .0289  |
| .770 | -.0031 | .0294  | .0126  | .0526  |
| .878 | -.0189 | -.0021 | -.0242 | -.0305 |

BETA ( 2 ) = -5.060 ALPHA ( 6 ) = 10.320 Q(PSF) = 42.932 PO/PSF = 2117.7 RUN NO = 76.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2811 | -.3063 | -.2129 | -.4493 |
| .230 | -.1070 | -.3566 | -.3073 | .0013  |
| .410 | -.0451 | -.0891 | -.0902 | .0030  |
| .590 | .0450  | .0628  | .0985  | .0804  |
| .770 | .0524  | .0754  | .0744  | .1457  |
| .878 | .0314  | .0408  | .0282  | -.0010 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF15)

BETA ( 3 ) = .000 ALPHA ( 1 ) = .000 Q(PSF) = 42.905 PO/PSF = 2117.7 RUN NO = 77.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5884 | -.6157 | -.4654 | -.7637 |
| .230 | -.3131 | -.6577 | -.4812 | -.1727 |
| .410 | -.2711 | -.3036 | -.2963 | -.1606 |
| .590 | -.1597 | -.1093 | -.1860 | -.2037 |
| .770 | -.1313 | -.1523 | -.2059 | -.2606 |
| .878 | -.1492 | -.1776 | -.2122 | -.1734 |

BETA ( 3 ) = .000 ALPHA ( 2 ) = 2.050 Q(PSF) = 42.905 PO/PSF = 2117.7 RUN NO = 77.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5690 | -.5891 | -.4278 | -.7141 |
| .230 | -.3330 | -.6344 | -.5185 | -.1663 |
| .410 | -.2234 | -.2835 | -.2940 | -.1593 |
| .590 | -.1222 | -.0832 | -.0938 | -.1196 |
| .770 | -.0948 | -.0811 | -.1307 | -.1359 |
| .878 | -.1106 | -.1191 | -.1602 | -.1496 |

BETA ( 3 ) = .000 ALPHA ( 3 ) = 4.100 Q(PSF) = 42.905 PO/PSF = 2117.7 RUN NO = 77.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5522 | -.5343 | -.3765 | -.6679 |
| .230 | -.3218 | -.5837 | -.4975 | -.1401 |
| .410 | -.1662 | -.2398 | -.2493 | -.1487 |
| .590 | -.0705 | -.0515 | -.0431 | -.0418 |
| .770 | -.0526 | -.0389 | -.0641 | .0209  |
| .878 | -.0736 | -.0736 | -.1062 | -.1167 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF15)

BETA ( 3 ) = .000 ALPHA ( 4 ) = 6.190 Q(PSF) = 42.905 PO/PSF = 2117.7 RUN NO = 77.000

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5043 | -.4515 | -.3302 | -.5955 |
| .230 | -.2838 | -.5306 | -.4621 | -.0921 |
| .410 | -.1129 | -.1899 | -.1994 | -.0799 |
| .590 | -.0084 | -.0010 | .0157  | .0082  |
| .770 | -.0010 | .0147  | .0073  | .1191  |
| .878 | -.0306 | -.0316 | -.0475 | -.1013 |

BETA ( 3 ) = .000 ALPHA ( 5 ) = 8.250 Q(PSF) = 42.905 PO/PSF = 2117.7 RUN NO = 77.000

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3846 | -.3385 | -.2777 | -.4558 |
| .230 | -.2431 | -.4705 | -.4066 | -.0536 |
| .410 | -.0618 | -.1425 | -.1425 | -.0158 |
| .590 | .0481  | .0502  | .0701  | .0752  |
| .770 | .0439  | .0607  | .0617  | .2048  |
| .878 | .0104  | .0072  | -.0052 | -.1174 |

BETA ( 3 ) = .000 ALPHA ( 6 ) = 10.310 Q(PSF) = 42.905 PO/PSF = 2117.7 RUN NO = 77.000

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3333 | -.2117 | -.1907 | -.3235 |
| .230 | -.2012 | -.4171 | -.3553 | -.0399 |
| .410 | -.0220 | -.0975 | -.0901 | -.0374 |
| .590 | .0900  | .0984  | .1215  | .1285  |
| .770 | .0859  | .1079  | .1142  | .2668  |
| .878 | .0523  | .0481  | .0418  | -.1111 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF15)

BETA ( 4 ) = 5.050 ALPHA ( 1 ) = -.010 Q(PSF) = 42.870 PO/PSF = 2117.6 RUN NO = 78.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7693 | -.6423 | -.4880 | -.7422 |
| .230 | -.4681 | -.7378 | -.6329 | -.1948 |
| .410 | -.2351 | -.3191 | -.3233 | -.1828 |
| .590 | -.1217 | -.0965 | -.0892 | -.0864 |
| .770 | -.1081 | -.0840 | -.1102 | -.0378 |
| .878 | -.1322 | -.1291 | -.1522 | -.1837 |

BETA ( 4 ) = 5.050 ALPHA ( 2 ) = 2.050 Q(PSF) = 42.870 PO/PSF = 2117.6 RUN NO = 78.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6968 | -.5370 | -.4382 | -.7104 |
| .230 | -.4330 | -.6716 | -.5906 | -.1893 |
| .410 | -.1881 | -.2680 | -.2795 | -.1382 |
| .590 | -.0736 | -.0588 | -.0357 | -.0452 |
| .770 | -.0673 | -.0420 | -.0546 | .0672  |
| .878 | -.0956 | -.0914 | -.1145 | -.1860 |

BETA ( 4 ) = 5.050 ALPHA ( 3 ) = 4.120 Q(PSF) = 42.870 PO/PSF = 2117.6 RUN NO = 78.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5675 | -.4288 | -.3920 | -.5847 |
| .230 | -.3857 | -.5833 | -.5066 | -.1400 |
| .410 | -.1398 | -.2165 | -.2270 | -.0814 |
| .590 | -.0210 | -.0210 | .0020  | .0047  |
| .770 | -.0242 | -.0031 | -.0084 | .1365  |
| .878 | -.0567 | -.0567 | -.0746 | -.2007 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF15)

BETA ( 4 ) = 5.050 ALPHA ( 4 ) = 6.180 Q(PSF) = 42.870 PO/PSF = 2117.6 RUN NO = 78.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5314 | -.2720 | -.2351 | -.3790 |
| .230 | -.3174 | -.4913 | -.4102 | -.1179 |
| .410 | -.0888 | -.1581 | -.1624 | -.0349 |
| .590 | .0242  | .0273  | .0547  | .0445  |
| .770 | .0115  | .0347  | .0368  | .1655  |
| .878 | -.0211 | -.0295 | -.0337 | -.1487 |

BETA ( 4 ) = 5.050 ALPHA ( 5 ) = 8.250 Q(PSF) = 42.870 PO/PSF = 2117.6 RUN NO = 78.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4043 | -.0863 | .0483  | -.1230 |
| .230 | -.2506 | -.4138 | -.3264 | -.0936 |
| .410 | -.0400 | -.1032 | -.0853 | .0513  |
| .590 | .0726  | .0820  | .1105  | .1083  |
| .770 | .0473  | .0736  | .0820  | .2016  |
| .878 | .0083  | -.0010 | .0000  | -.1021 |

BETA ( 4 ) = 5.050 ALPHA ( 6 ) = 10.310 Q(PSF) = 42.870 PO/PSF = 2117.6 RUN NO = 78.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2496 | .0989  | .2286  | .0514  |
| .230 | -.2138 | -.3654 | -.2496 | -.0453 |
| .410 | .0010  | -.0505 | -.0232 | .1291  |
| .590 | .1136  | .1410  | .1589  | .1791  |
| .770 | .0789  | .1115  | .1200  | .2587  |
| .878 | .0336  | .0283  | .0294  | -.0432 |



DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF15)

BETA ( 5 ) = 10.120 ALPHA ( 1 ) = .000 Q(PSF) = 42.875 PO/PSF = 2117.8 RUN NO = 79.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7370 | -.3322 | -.3438 | -.5538 |
| .230 | -.4573 | -.6066 | -.5235 | -.2072 |
| .410 | -.1861 | -.2712 | -.2817 | -.1607 |
| .590 | -.0683 | -.0830 | -.0589 | -.0814 |
| .770 | -.0694 | -.0662 | -.0715 | -.0209 |
| .878 | -.1009 | -.1209 | -.1282 | -.2176 |

BETA ( 5 ) = 10.120 ALPHA ( 2 ) = 2.060 Q(PSF) = 42.875 PO/PSF = 2117.8 RUN NO = 79.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5914 | -.1494 | -.0810 | -.3403 |
| .230 | -.4115 | -.5578 | -.4515 | -.1747 |
| .410 | -.1399 | -.2168 | -.2052 | -.0711 |
| .590 | -.0158 | -.0200 | .0062  | -.0090 |
| .770 | -.0379 | -.0231 | -.0179 | .0967  |
| .878 | -.0779 | -.0915 | -.0905 | -.1947 |

BETA ( 5 ) = 10.120 ALPHA ( 3 ) = 4.130 Q(PSF) = 42.875 PO/PSF = 2117.8 RUN NO = 79.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4014 | .0945  | .1930  | -.0814 |
| .230 | -.3657 | -.5286 | -.3920 | -.1434 |
| .410 | -.1030 | -.1776 | -.1398 | .0219  |
| .590 | .0346  | .0472  | .0651  | .0788  |
| .770 | -.0084 | .0188  | .0314  | .1576  |
| .878 | -.0694 | -.0630 | -.0578 | -.1408 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF15)

BETA ( 5 ) = 10.120 ALPHA ( 4 ) = 6.170 Q(PSF) = 42.875 PO/PSF = 2117.8 RUN NO = 79.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2429 | .2553  | .3278  | -.0038 |
| .230 | -.3681 | -.5269 | -.4080 | -.1366 |
| .410 | -.0925 | -.1462 | -.1115 | .0772  |
| .590 | .0556  | .0735  | .1051  | .1479  |
| .770 | -.0042 | .0409  | .0630  | .2511  |
| .878 | -.0704 | -.0505 | -.0505 | -.1872 |

BETA ( 5 ) = 10.120 ALPHA ( 5 ) = 8.240 Q(PSF) = 42.875 PO/PSF = 2117.8 RUN NO = 79.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0747 | .4409  | .4990  | .0824  |
| .230 | -.3208 | -.4650 | -.3598 | -.1021 |
| .410 | -.0578 | -.0989 | -.0684 | .1220  |
| .590 | .0809  | .1062  | .1398  | .1892  |
| .770 | .0125  | .0620  | .0862  | .2854  |
| .878 | -.0536 | -.0389 | -.0337 | -.1904 |

BETA ( 5 ) = 10.120 ALPHA ( 6 ) = 10.370 Q(PSF) = 42.875 PO/PSF = 2117.8 RUN NO = 79.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | .0947  | .5817  | .6108  | .1895  |
| .230 | -.2581 | -.3929 | -.2886 | -.0591 |
| .410 | -.0074 | -.0506 | -.0232 | .1688  |
| .590 | .1211  | .1442  | .1789  | .2290  |
| .770 | .0410  | .0916  | .1147  | .3035  |
| .878 | -.0358 | -.0158 | -.0116 | -.1591 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF16) ( 03 FEB 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0405

## PARAMETRIC DATA

MACH = .170 ELEVON = .000  
 BDFLAP = .000 SPDBRK = 25.000  
 PHI-N = 66.000 THETAN = 50.000  
 PHI-M = 88.000 THETAM = 50.000

BETA ( 1 ) = -10.110 ALPHA ( 1 ) = .010 Q(PSF) = 42.897 PO/PSF = 2117.1 RUN NO = 80.000

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

## X/CML

.050 -.1767 -.1441 -.1346 -.2125  
 .230 -.1777 -.1977 -.2051 -.2298  
 .410 -.2156 -.1535 -.1977 -.2970  
 .590 -.2819 -.2955 -.3208 -.4212  
 .770 -.3302 -.3176 -.3502 -.4091  
 .878 -.3576 -.3471 -.3723 -.2976

BETA ( 1 ) = -10.110 ALPHA ( 2 ) = 2.060 Q(PSF) = 42.897 PO/PSF = 2117.1 RUN NO = 80.000

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

## X/CML

.050 -.1379 -.0989 -.0789 -.1747  
 .230 -.1242 -.1379 -.1473 -.1488  
 .410 -.1494 -.1158 -.1484 -.2385  
 .590 -.2073 -.2431 -.2631 -.3559  
 .770 -.2568 -.2578 -.2947 -.3620  
 .878 -.2873 -.2820 -.3326 -.2936

BETA ( 1 ) = -10.110 ALPHA ( 3 ) = 4.110 Q(PSF) = 42.897 PO/PSF = 2117.1 RUN NO = 80.000

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

## X/CML

.050 -.1408 -.0735 -.0420 -.2019  
 .230 -.0462 -.0893 -.1103 -.0968  
 .410 -.1166 -.0830 -.0914 -.1744  
 .590 -.1425 -.1954 -.2059 -.2846  
 .770 -.1786 -.2007 -.2406 -.2784  
 .878 -.2091 -.2091 -.2732 -.2469

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF18)

BETA ( 1 ) = -10.110    ALPHA ( 4 ) = 6.180    Q(PSF) = 42.897    PO/PSF = 2117.1    RUN NO = 80.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML      .0760    .3100    .5820    .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4891 | -.2892 | -.2703 | -.7127 |
| .230 | .1993  | -.0063 | -.1188 | -.0176 |
| .410 | -.2093 | -.1541 | -.0137 | -.0055 |
| .590 | -.1998 | -.0662 | -.0915 | -.1194 |
| .770 | -.0673 | -.0904 | -.1535 | -.1735 |
| .878 | -.0910 | -.1188 | -.1556 | -.1578 |

BETA ( 1 ) = -10.110    ALPHA ( 5 ) = 8.260    Q(PSF) = 42.897    PO/PSF = 2117.1    RUN NO = 80.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML      .0760    .3100    .5820    .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5969 | -.3100 | -.2344 | -.6019 |
| .230 | .1878  | .1618  | -.0504 | -.0314 |
| .410 | -.2091 | -.1976 | .0146  | .0219  |
| .590 | -.1818 | -.0137 | .0073  | -.0021 |
| .770 | -.0557 | -.0126 | -.0441 | -.0399 |
| .878 | -.0567 | -.0336 | -.0799 | -.0820 |

BETA ( 1 ) = -10.110    ALPHA ( 6 ) = 10.370    Q(PSF) = 42.897    PO/PSF = 2117.1    RUN NO = 80.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML      .0760    .3100    .5820    .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5224 | -.2575 | -.1324 | -.3934 |
| .230 | .2210  | .2396  | -.0158 | .0254  |
| .410 | -.1566 | -.1682 | .0367  | .0599  |
| .590 | -.1240 | .0420  | .0672  | .0599  |
| .770 | -.0063 | .0451  | .0220  | .0535  |
| .878 | -.0116 | .0136  | -.0189 | -.0147 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

PAGE 1203

0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF18)

BETA ( 2 ) = -5.060 ALPHA ( 1 ) = .000 Q(PSF) = 42.948 PO/PSF = 2117.0 RUN NO = 81.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |         |
|------|--------|--------|--------|---------|
| .050 | -.5678 | -.3932 | -.4931 | -1.0384 |
| .230 | -.0988 | -.2271 | -.2818 | -.2107  |
| .410 | -.3449 | -.2765 | -.1409 | -.1262  |
| .590 | -.2166 | -.1850 | -.2103 | -.1989  |
| .770 | -.1609 | -.2124 | -.2839 | -.3175  |
| .878 | -.1987 | -.2397 | -.2912 | -.2744  |

BETA ( 2 ) = -5.060 ALPHA ( 2 ) = 2.050 Q(PSF) = 42.948 PO/PSF = 2117.0 RUN NO = 81.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5965 | -.3886 | -.4222 | -.9131 |
| .230 | -.1144 | -.1029 | -.2268 | -.1330 |
| .410 | -.3245 | -.3056 | -.1323 | -.0899 |
| .590 | -.2006 | -.1449 | -.1607 | -.1536 |
| .770 | -.1061 | -.1460 | -.2237 | -.2289 |
| .878 | -.1250 | -.1681 | -.2415 | -.2247 |

BETA ( 2 ) = -5.060 ALPHA ( 3 ) = 4.130 Q(PSF) = 42.948 PO/PSF = 2117.0 RUN NO = 81.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5295 | -.3478 | -.3414 | -.6982 |
| .230 | -.1186 | -.0409 | -.1628 | -.0486 |
| .410 | -.2952 | -.2942 | -.1114 | -.0572 |
| .590 | -.1691 | -.0987 | -.0914 | -.0882 |
| .770 | -.0630 | -.0893 | -.1513 | -.1418 |
| .878 | -.0819 | -.1103 | -.1818 | -.1796 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

PAGE 1207

OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF16)

BETA ( 2 ) = -5.060 ALPHA ( 4 ) = 6.180 Q(PSF) = 42.948 PO/PSF = 2117.0 RUN NO = 81.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4754 | -.3212 | -.2498 | -.5976 |
| .230 | .1217  | .1605  | -.0609 | -.0468 |
| .410 | -.2655 | -.2918 | -.0829 | -.0210 |
| .590 | -.1280 | -.0546 | -.0420 | -.0141 |
| .770 | -.0252 | -.0462 | -.0777 | -.0126 |
| .878 | -.0483 | -.0661 | -.1091 | -.1070 |

BETA ( 2 ) = -5.070 ALPHA ( 5 ) = 8.250 Q(PSF) = 42.948 PO/PSF = 2117.0 RUN NO = 81.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3662 | -.2330 | -.1962 | -.6216 |
| .230 | .1468  | .1947  | .0387  | -.0090 |
| .410 | -.2256 | -.2508 | -.0504 | .0271  |
| .590 | -.0619 | -.0042 | .0136  | .0495  |
| .770 | .0168  | -.0031 | -.0252 | .1122  |
| .878 | -.0084 | -.0283 | -.0661 | -.0420 |

BETA ( 2 ) = -5.070 ALPHA ( 6 ) = 10.330 Q(PSF) = 42.948 PO/PSF = 2117.0 RUN NO = 81.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2918 | -.1658 | -.1365 | -.5874 |
| .230 | .1720  | .2238  | .1301  | .0546  |
| .410 | -.1879 | -.2036 | -.0021 | .0839  |
| .590 | .0041  | .0440  | .0702  | .1097  |
| .770 | .0713  | .0461  | .0325  | .2093  |
| .878 | .0398  | .0157  | -.0157 | -.0189 |

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OF POOR QUALITY

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

PAGE 1208

OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF16)

BETA ( 3 ) = .000 ALPHA ( 1 ) = .000 Q(PSF) = 42.935 PO/PSF = 2117.0 RUN NO = 82.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5292 | -.4229 | -.4724 | -.9510 |
| .230 | .0430  | .0020  | -.1525 | -.1108 |
| .410 | -.4387 | -.4229 | -.1999 | -.1211 |
| .590 | -.1841 | -.1809 | -.1652 | -.1436 |
| .770 | -.1157 | -.1694 | -.2230 | -.2009 |
| .878 | -.1431 | -.1862 | -.2546 | -.2556 |

BETA ( 3 ) = .000 ALPHA ( 2 ) = 2.060 Q(PSF) = 42.935 PO/PSF = 2117.0 RUN NO = 82.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4974 | -.4112 | -.4038 | -.8092 |
| .230 | .0209  | .1124  | -.0663 | -.1159 |
| .410 | -.4386 | -.4270 | -.1914 | -.0935 |
| .590 | -.1472 | -.1409 | -.1178 | -.0745 |
| .770 | -.0789 | -.1304 | -.1556 | -.0526 |
| .878 | -.1115 | -.1472 | -.1925 | -.1830 |

BETA ( 3 ) = .000 ALPHA ( 3 ) = 4.120 Q(PSF) = 42.935 PO/PSF = 2117.0 RUN NO = 82.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5086 | -.3786 | -.3240 | -.8000 |
| .230 | .0073  | .1247  | .0198  | -.0967 |
| .410 | -.4184 | -.3995 | -.1405 | -.0416 |
| .590 | -.1007 | -.0954 | -.0650 | -.0193 |
| .770 | -.0388 | -.0912 | -.1038 | .0733  |
| .878 | -.0765 | -.1174 | -.1447 | -.1405 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

PAGE 1209

OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF16)

BETA ( 3 ) = .000 ALPHA ( 4 ) = 6.190 Q(PSF) = 42.935 PO/PSF = 2117.0 RUN NO = 82.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4992 | -.3220 | -.2695 | -.7365 |
| .230 | .0188  | .1373  | .0775  | -.0227 |
| .410 | -.4069 | -.3639 | -.0902 | .0081  |
| .590 | -.0482 | -.0503 | -.0052 | .0322  |
| .770 | .0083  | -.0461 | -.0440 | .1667  |
| .878 | -.0294 | -.0713 | -.1007 | -.1835 |

BETA ( 3 ) = .000 ALPHA ( 5 ) = 6.250 Q(PSF) = 42.935 PO/PSF = 2117.0 RUN NO = 82.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4013 | -.2573 | -.2342 | -.5637 |
| .230 | .0398  | .1617  | .1144  | .0374  |
| .410 | -.3929 | -.3267 | -.0420 | .0598  |
| .590 | .0010  | -.0094 | .0409  | .0960  |
| .770 | .0503  | -.0126 | .0020  | .2332  |
| .878 | .0167  | -.0294 | -.0641 | -.1754 |

BETA ( 3 ) = -.010 ALPHA ( 6 ) = 10.340 Q(PSF) = 42.935 PO/PSF = 2117.0 RUN NO = 82.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3322 | -.1808 | -.1882 | -.3951 |
| .230 | .0703  | .1951  | .1586  | .0892  |
| .410 | -.3690 | -.2733 | .0125  | .1081  |
| .590 | .0409  | .0283  | .0914  | .1547  |
| .770 | .0882  | .0251  | .0483  | .2925  |
| .878 | .0556  | .0062  | -.0200 | -.1419 |



DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF18)

BETA ( 4 ) = 5.050 ALPHA ( 1 ) = .000 Q(PSF) = 42.917 PO/PSF = 2117.0 RUN NO = 83.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7519 | -.5006 | -.4080 | -.8954 |
| .230 | -.1462 | .0556  | -.0189 | -.1314 |
| .410 | -.6383 | -.5374 | -.2051 | -.1056 |
| .590 | -.1483 | -.1651 | -.1220 | -.0780 |
| .770 | -.0988 | -.1462 | -.1556 | .0094  |
| .878 | -.1388 | -.1630 | -.1998 | -.2240 |

BETA ( 4 ) = 5.050 ALPHA ( 2 ) = 2.090 Q(PSF) = 42.917 PO/PSF = 2117.0 RUN NO = 83.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6923 | -.4500 | -.3688 | -.8454 |
| .230 | -.1328 | .0705  | .0199  | -.0816 |
| .410 | -.6312 | -.4974 | -.1612 | -.0643 |
| .590 | -.1117 | -.1285 | -.0674 | -.0297 |
| .770 | -.0685 | -.1159 | -.1043 | .1179  |
| .878 | -.1054 | -.1264 | -.1633 | -.2698 |

BETA ( 4 ) = 5.050 ALPHA ( 3 ) = 4.140 Q(PSF) = 42.917 PO/PSF = 2117.0 RUN NO = 83.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5742 | -.3884 | -.3422 | -.6562 |
| .230 | -.1123 | .0944  | .0492  | -.0262 |
| .410 | -.6015 | -.4524 | -.1144 | -.0090 |
| .590 | -.0787 | -.0840 | -.0220 | .0271  |
| .770 | -.0367 | -.0714 | -.0546 | .1782  |
| .878 | -.0714 | -.0871 | -.1218 | -.2530 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF16)

BETA ( 4 ) = 5.050 ALPHA ( 4 ) = 6.200 Q(PSF) = 42.917 PO/PSF = 2117.0 RUN NO = 83.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4603 | -.2953 | -.3006 | -.4209 |
| .230 | -.0746 | .1313  | .0892  | .0116  |
| .410 | -.5601 | -.3857 | -.0546 | .0323  |
| .590 | -.0399 | -.0357 | .0367  | .0771  |
| .770 | -.0126 | -.0315 | -.0084 | .2137  |
| .878 | -.0494 | -.0504 | -.0809 | -.2112 |

BETA ( 4 ) = 5.050 ALPHA ( 5 ) = 8.280 Q(PSF) = 42.917 PO/PSF = 2117.0 RUN NO = 83.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3014 | -.1586 | -.1176 | -.1140 |
| .230 | -.0241 | .1732  | .1407  | .0305  |
| .410 | -.5178 | -.3183 | .0083  | .0839  |
| .590 | -.0031 | .0188  | .0913  | .1236  |
| .770 | .0031  | .0094  | .0356  | .2332  |
| .878 | -.0399 | -.0199 | -.0347 | -.1334 |

BETA ( 4 ) = 5.050 ALPHA ( 6 ) = 10.330 Q(PSF) = 42.917 PO/PSF = 2117.0 RUN NO = 83.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1375 | -.0073 | .0555  | .0477  |
| .230 | .0020  | .2206  | .1968  | .0667  |
| .410 | -.4974 | -.2592 | .0818  | .1338  |
| .590 | .0199  | .0639  | .1416  | .1648  |
| .770 | .0041  | .0492  | .0723  | .2465  |
| .878 | -.0388 | .0125  | -.0031 | -.0682 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

PAGE 1212

0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF16)

BETA ( 5 ) = 10.110 ALPHA ( 1 ) = .030 Q(PSF) = 42.903 PO/PSF = 2117.1 RUN NO = 84.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6313 | -.4520 | -.4667 | -.6814 |
| .230 | -.2066 | .0063  | -.0430 | -.1001 |
| .410 | -.6554 | -.4834 | -.1804 | -.1053 |
| .590 | -.1447 | -.1279 | -.0860 | -.0709 |
| .770 | -.1112 | -.1227 | -.1112 | .0691  |
| .878 | -.1521 | -.1395 | -.1741 | -.2517 |

BETA ( 5 ) = 10.110 ALPHA ( 2 ) = 2.060 Q(PSF) = 42.903 PO/PSF = 2117.1 RUN NO = 84.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4259 | -.2177 | -.2082 | -.3160 |
| .230 | -.1746 | .0693  | .0230  | -.0693 |
| .410 | -.6470 | -.4175 | -.0957 | -.0435 |
| .590 | -.1146 | -.0726 | -.0189 | -.0107 |
| .770 | -.1146 | -.0747 | -.0652 | .1103  |
| .878 | -.1588 | -.0988 | -.1335 | -.2251 |

BETA ( 5 ) = 10.110 ALPHA ( 3 ) = 4.130 Q(PSF) = 42.903 PO/PSF = 2117.1 RUN NO = 84.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2293 | .0515  | .1293  | -.0366 |
| .230 | -.1346 | .1514  | .1156  | -.0142 |
| .410 | -.6469 | -.3671 | -.0031 | .0409  |
| .590 | -.0989 | -.0336 | .0525  | .0685  |
| .770 | -.1210 | -.0358 | -.0231 | .1461  |
| .878 | -.1683 | -.0684 | -.0936 | -.1662 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

PAGE 1213

OA163 ORB

\* MAIN GEAR DOOR INNER SURFACE

(RFFF16)

BETA ( 5 ) = 10.110 ALPHA ( 4 ) = 6.210 Q(PSF) = 42.903 PO/PSF = 2117.1 RUN NO = 84.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0916 | .1881  | .3043  | .0738  |
| .230 | -.1231 | .2296  | .2088  | .0513  |
| .410 | -.6895 | -.3737 | .0568  | .1273  |
| .590 | -.1021 | -.0137 | .1041  | .1584  |
| .770 | -.1516 | -.0021 | .0178  | .2441  |
| .878 | -.1905 | -.0389 | -.0789 | -.1958 |

BETA ( 5 ) = 10.110 ALPHA ( 5 ) = 8.260 Q(PSF) = 42.903 PO/PSF = 2117.1 RUN NO = 84.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | .0473  | .3457  | .3768  | .1324  |
| .230 | -.1273 | .2627  | .2503  | .0789  |
| .410 | -.6893 | -.3494 | .0852  | .1549  |
| .590 | -.1052 | .0073  | .1304  | .1841  |
| .770 | -.1800 | .0294  | .0431  | .2897  |
| .878 | -.2063 | -.0168 | -.0621 | -.1978 |

BETA ( 5 ) = 10.110 ALPHA ( 6 ) = 10.340 Q(PSF) = 42.903 PO/PSF = 2117.1 RUN NO = 84.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | .1991  | .5034  | .5407  | .2284  |
| .230 | -.0861 | .3005  | .2943  | .1218  |
| .410 | -.6460 | -.3025 | .1281  | .1941  |
| .590 | -.0851 | .0377  | .1648  | .2164  |
| .770 | -.1859 | .0650  | .0745  | .3202  |
| .878 | -.1996 | .0136  | -.0368 | -.1786 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

PAGE 1214

OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF17) ( 03 FEB 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0405

## PARAMETRIC DATA

MACH = .170 ELEVON = .000  
 BDFLAP = .000 SPDBRK = 25.000  
 PHI-N = 66.000 THETAN = 65.000  
 PHI-M = 68.000 THETAM = 65.000

BETA ( 1 ) = -10.110 ALPHA ( 1 ) = .010 Q(PSF) = 42.940 PO/PSF = 2117.2 RUN NO = 85.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.1988 -.1736 -.1651 -.2591  
 .230 -.1851 -.1956 -.2293 -.2557  
 .410 -.2219 -.2177 -.2461 -.2815  
 .590 -.3334 -.2556 -.2851 -.4040  
 .770 -.3545 -.2903 -.2977 -.3734  
 .878 -.3461 -.2840 -.3366 -.2914

BETA ( 1 ) = -10.100 ALPHA ( 2 ) = 2.110 Q(PSF) = 42.940 PO/PSF = 2117.2 RUN NO = 85.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.1420 -.1157 -.1010 -.1988  
 .230 -.1305 -.1357 -.1799 -.1712  
 .410 -.1705 -.1578 -.1873 -.2333  
 .590 -.2820 -.2073 -.2389 -.3231  
 .770 -.2788 -.2378 -.2673 -.2988  
 .878 -.2725 -.2462 -.3020 -.2610

BETA ( 1 ) = -10.100 ALPHA ( 3 ) = 4.170 Q(PSF) = 42.940 PO/PSF = 2117.2 RUN NO = 85.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.3443 -.3138 -.5192 -.8466  
 .230 -.3465 -.1917 -.1127 -.0418  
 .410 -.1232 .0926 -.0179 -.0504  
 .590 -.3033 -.0863 -.0948 -.1333  
 .770 -.1980 -.1822 -.1832 -.1706  
 .878 -.1990 -.2106 -.2264 -.1895

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

PAGE 1215

OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF17)

BETA ( 1 ) = -10.100 ALPHA ( 4 ) = 6.230 Q(PSF) = 42.940 PO/PSF = 2117.2 RUN NO = 85.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3497 | -.2544 | -.4335 | -.7439 |
| .230 | -.2481 | -.1204 | -.0660 | -.0141 |
| .410 | -.0523 | .1182  | .0460  | .0013  |
| .590 | -.2555 | -.0408 | -.0241 | -.0587 |
| .770 | -.1277 | -.1267 | -.1194 | -.0911 |
| .878 | -.1288 | -.1560 | -.1822 | -.1413 |

BETA ( 1 ) = -10.100 ALPHA ( 5 ) = 8.300 Q(PSF) = 42.940 PO/PSF = 2117.2 RUN NO = 85.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3858 | -.2264 | -.3271 | -.7569 |
| .230 | -.0021 | -.0713 | -.0461 | .0013  |
| .410 | .0146  | .1373  | .1236  | .0718  |
| .590 | -.1939 | .0083  | .0712  | .0563  |
| .770 | -.0671 | -.0723 | -.0419 | -.0010 |
| .878 | -.0744 | -.1069 | -.1363 | -.1101 |

BETA ( 1 ) = -10.110 ALPHA ( 6 ) = 10.360 Q(PSF) = 42.940 PO/PSF = 2117.2 RUN NO = 85.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3767 | -.1941 | -.2130 | -.5579 |
| .230 | .1279  | .0450  | .0282  | .0770  |
| .410 | .0723  | .1720  | .1615  | .1148  |
| .590 | -.1343 | .0440  | .1143  | .1045  |
| .770 | -.0084 | -.0241 | .0178  | .1017  |
| .878 | -.0283 | -.0629 | -.0839 | -.0420 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF17)

BETA ( 2 ) = -5.060 ALPHA ( 1 ) = .010 Q(PSF) = 42.932 PO/PSF = 2117.0 RUN NO = 86.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

Y/CML

|      |        |        |        |         |
|------|--------|--------|--------|---------|
| .050 | -.5968 | -.4094 | -.5969 | -1.0890 |
| .230 | -.3675 | -.2869 | -.2555 | -.1858  |
| .410 | -.0712 | -.0073 | -.0523 | -.1171  |
| .590 | -.3309 | -.1581 | -.1298 | -.1446  |
| .770 | -.2282 | -.2513 | -.2471 | -.2314  |
| .878 | -.2293 | -.2743 | -.3172 | -.2722  |

BETA ( 2 ) = -5.060 ALPHA ( 2 ) = 2.120 Q(PSF) = 42.932 PO/PSF = 2117.0 RUN NO = 86.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |         |
|------|--------|--------|--------|---------|
| .050 | -.5331 | -.3547 | -.5236 | -1.0174 |
| .230 | -.1805 | -.2088 | -.1647 | -.1019  |
| .410 | -.0325 | .0230  | -.0021 | -.0692  |
| .590 | -.2875 | -.1291 | -.0829 | -.1053  |
| .770 | -.1752 | -.2099 | -.1889 | -.1553  |
| .878 | -.1794 | -.2319 | -.2718 | -.2571  |

BETA ( 2 ) = -5.060 ALPHA ( 3 ) = 4.150 Q(PSF) = 42.932 PO/PSF = 2117.0 RUN NO = 86.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4797 | -.3009 | -.4313 | -.8630 |
| .230 | .0115  | -.1336 | -.0999 | -.0193 |
| .410 | -.0010 | .0536  | .0399  | -.0262 |
| .590 | -.2504 | -.0957 | -.0284 | -.0452 |
| .770 | -.1283 | -.1673 | -.1241 | -.0705 |
| .878 | -.1389 | -.1936 | -.2220 | -.2114 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

PAGE 1217

OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF17)

BETA ( 2 ) = -5.060 ALPHA ( 4 ) = 6.210 Q(PSF) = 42.932 PO/PSF = 2117.0 RUN NO = 86.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4429 | -.2788 | -.3346 | -.7423 |
| .230 | .1398  | -.0316 | -.0126 | .0013  |
| .410 | .0241  | .0967  | .0809  | .0254  |
| .590 | -.2125 | -.0579 | .0294  | .0220  |
| .770 | -.0999 | -.1241 | -.0631 | .0494  |
| .878 | -.1147 | -.1662 | -.1789 | -.1662 |

BETA ( 2 ) = -5.060 ALPHA ( 5 ) = 8.270 Q(PSF) = 42.932 PO/PSF = 2117.0 RUN NO = 86.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3714 | -.2083 | -.2556 | -.6680 |
| .230 | .1963  | .0904  | .0999  | .0220  |
| .410 | .0546  | .1283  | .1156  | .0789  |
| .590 | -.1799 | -.0189 | .0820  | .0824  |
| .770 | -.0621 | -.0831 | -.0031 | .1546  |
| .878 | -.0768 | -.1283 | -.1357 | -.0989 |

BETA ( 2 ) = -5.060 ALPHA ( 6 ) = 10.350 Q(PSF) = 42.932 PO/PSF = 2117.0 RUN NO = 86.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2963 | -.1555 | -.1828 | -.6311 |
| .230 | .2385  | .2085  | .1857  | .0857  |
| .410 | .0861  | .1638  | .1607  | .1340  |
| .590 | -.1418 | .0262  | .1344  | .1374  |
| .770 | -.0189 | -.0347 | .0535  | .2447  |
| .878 | -.0326 | -.0862 | -.0872 | -.0714 |



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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

PAGE 1210

OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF17)

BETA ( 3 ) = .000 ALPHA ( 1 ) = .000 Q(PSF) = 42.885 PO/PSF = 2117.0 RUN NO = 87.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |         |
|------|--------|--------|--------|---------|
| .050 | -.5644 | -.3965 | -.5434 | -1.0102 |
| .230 | -.0210 | -.1731 | -.0955 | -.0795  |
| .410 | -.0892 | -.0105 | -.0189 | -.0761  |
| .590 | -.3924 | -.1857 | -.0839 | -.0967  |
| .770 | -.2444 | -.2539 | -.1899 | -.1080  |
| .878 | -.2402 | -.2822 | -.3000 | -.2864  |

BETA ( 3 ) = .000 ALPHA ( 2 ) = 2.080 Q(PSF) = 42.885 PO/PSF = 2117.0 RUN NO = 87.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5061 | -.3722 | -.4649 | -.9306 |
| .230 | .0874  | -.0422 | .0010  | -.0816 |
| .410 | -.0791 | .0242  | .0147  | -.0384 |
| .590 | -.3827 | -.1486 | -.0337 | -.0384 |
| .770 | -.2203 | -.2161 | -.1297 | .0073  |
| .878 | -.2193 | -.2594 | -.2594 | -.2572 |

BETA ( 3 ) = .000 ALPHA ( 3 ) = 4.140 Q(PSF) = 42.885 PO/PSF = 2117.0 RUN NO = 87.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4611 | -.3664 | -.3864 | -.8981 |
| .230 | .1410  | .1220  | .0883  | -.0522 |
| .410 | -.0642 | .0578  | .0526  | .0185  |
| .590 | -.3695 | -.1137 | .0199  | .0203  |
| .770 | -.1853 | -.1758 | -.0842 | .1073  |
| .878 | -.1874 | -.2211 | -.2253 | -.2274 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF17)

BETA ( 3 ) = .000 ALPHA ( 4 ) = 6.180 Q(PSF) = 42.885 PO/PSF = 2117.0 RUN NO = 87.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4617 | -.3439 | -.3050 | -.7834 |
| .230 | .1514  | .1796  | .1377  | .0030  |
| .410 | -.0452 | .0925  | .0946  | .0582  |
| .590 | -.3492 | -.0726 | .0735  | .0685  |
| .770 | -.1504 | -.1293 | -.0326 | .1952  |
| .878 | -.1472 | -.1735 | -.1893 | -.2345 |

BETA ( 3 ) = .000 ALPHA ( 5 ) = 8.290 Q(PSF) = 42.885 PO/PSF = 2117.0 RUN NO = 87.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3964 | -.2986 | -.2534 | -.5573 |
| .230 | .1692  | .2128  | .1796  | .0685  |
| .410 | -.0210 | .1335  | .1440  | .1168  |
| .590 | -.3354 | -.0284 | .1208  | .1323  |
| .770 | -.1157 | -.0852 | .0167  | .2584  |
| .878 | -.1115 | -.1304 | -.1440 | -.2303 |

BETA ( 3 ) = .000 ALPHA ( 6 ) = 10.320 Q(PSF) = 42.885 PO/PSF = 2117.0 RUN NO = 87.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3635 | -.2301 | -.2091 | -.3811 |
| .230 | .1970  | .2498  | .2229  | .1270  |
| .410 | .0104  | .1753  | .1939  | .1649  |
| .590 | -.3215 | .0125  | .1659  | .1838  |
| .770 | -.0935 | -.0452 | .0608  | .3130  |
| .878 | -.0851 | -.0893 | -.1051 | -.1996 |

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OF POOR QUALITY

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

PAGE 1220

OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF:7)

BETA ( 4 ) = 5.050 ALPHA ( 1 ) = .000 Q(PSF) = 42.983 PO/PSF = 2117.1 RUN NO = 88.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6781 | -.5101 | -.4681 | -.9936 |
| .230 | .0272  | .0933  | .0450  | -.0950 |
| .410 | -.1889 | .0031  | -.0010 | -.0365 |
| .590 | -.5626 | -.1879 | -.0315 | -.0399 |
| .770 | -.2991 | -.2383 | -.1427 | .0524  |
| .878 | -.2844 | -.2802 | -.2928 | -.3191 |

BETA ( 4 ) = 5.050 ALPHA ( 2 ) = 2.090 Q(PSF) = 42.983 PO/PSF = 2117.1 RUN NO = 88.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6901 | -.4688 | -.3891 | -.8706 |
| .230 | .0377  | .1184  | .0880  | -.0468 |
| .410 | -.1615 | .0419  | .0450  | -.0004 |
| .590 | -.5559 | -.1425 | .0209  | .0133  |
| .770 | -.2706 | -.1909 | -.0870 | .1394  |
| .878 | -.2527 | -.2349 | -.2527 | -.3031 |

BETA ( 4 ) = 5.060 ALPHA ( 3 ) = 4.130 Q(PSF) = 42.983 PO/PSF = 2117.1 RUN NO = 88.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6107 | -.4328 | -.3685 | -.6531 |
| .230 | .0599  | .1526  | .1242  | .0168  |
| .410 | -.1274 | .0852  | .0894  | .0479  |
| .590 | -.5591 | -.1032 | .0610  | .0617  |
| .770 | -.2559 | -.1537 | -.0421 | .1923  |
| .878 | -.2295 | -.2001 | -.2169 | -.2917 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

PAGE 1221

0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF17)

BETA ( 4 ) = 5.060 ALPHA ( 4 ) = 6.180 Q(PSF) = 42.983 PO/PSF = 2117.1 RUN NO = 88.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5203 | -.3430 | -.3115 | -.3581 |
| .230 | .0964  | .1988  | .1667  | .0580  |
| .410 | -.0671 | .1342  | .1363  | .0924  |
| .590 | -.5276 | -.0524 | .1069  | .1131  |
| .770 | -.2339 | -.1091 | .0000  | .2432  |
| .878 | -.2024 | -.1584 | -.1783 | -.2633 |

BETA ( 4 ) = 5.060 ALPHA ( 5 ) = 8.260 Q(PSF) = 42.983 PO/PSF = 2117.1 RUN NO = 88.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3761 | -.2217 | -.1964 | -.1881 |
| .230 | .1365  | .2467  | .2126  | .0667  |
| .410 | -.0157 | .1815  | .1825  | .1322  |
| .590 | -.4833 | -.0031 | .1533  | .1546  |
| .770 | -.2306 | -.0609 | .0440  | .2788  |
| .878 | -.1838 | -.1166 | -.1282 | -.2196 |

BETA ( 4 ) = 5.060 ALPHA ( 6 ) = 10.370 Q(PSF) = 42.983 PO/PSF = 2117.1 RUN NO = 88.000

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2006 | -.0763 | -.0418 | -.0158 |
| .230 | .1702  | .2948  | .2598  | .1006  |
| .410 | .0239  | .2320  | .2289  | .1658  |
| .590 | -.4326 | .0480  | .1908  | .1777  |
| .770 | -.2090 | -.0178 | .0783  | .2835  |
| .878 | -.1588 | -.0742 | -.0773 | -.1369 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

PAGE 1222

0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF17)

BETA ( 5 ) = 10.120 ALPHA ( 1 ) = .010 Q(PSF) = 42.933 PO/PSF = 2117.1 RUN NO = 89.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6891 | -.5266 | -.4972 | -.7727 |
| .230 | .0010  | .0723  | .0261  | -.0709 |
| .410 | -.1710 | .0156  | -.0042 | -.0588 |
| .590 | -.6073 | -.1479 | -.0325 | -.0468 |
| .770 | -.2968 | -.1857 | -.1185 | .0765  |
| .878 | -.2507 | -.2255 | -.2591 | -.2853 |

BETA ( 5 ) = 10.120 ALPHA ( 2 ) = 2.050 Q(PSF) = 42.933 PO/PSF = 2117.1 RUN NO = 89.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4287 | -.2348 | -.1907 | -.3682 |
| .230 | .0324  | .1383  | .0827  | -.0296 |
| .410 | -.1079 | .0880  | .0607  | .0013  |
| .590 | -.5785 | -.0775 | .0293  | .0064  |
| .770 | -.2914 | -.1436 | -.0723 | .1131  |
| .878 | -.2243 | -.1097 | -.2159 | -.2683 |

BETA ( 5 ) = 10.120 ALPHA ( 3 ) = 4.140 Q(PSF) = 42.933 PO/PSF = 2117.1 RUN NO = 89.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2436 | -.0115 | .1301  | .0013  |
| .230 | .0650  | .2228  | .1700  | .0202  |
| .410 | -.0714 | .1669  | .1511  | .0684  |
| .590 | -.5524 | -.0199 | .1070  | .0788  |
| .770 | -.3066 | -.1061 | -.0304 | .1543  |
| .878 | -.2174 | -.1575 | -.1733 | -.2079 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

PAGE 1223

OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF17)

BETA ( 5 ) = 10.120 ALPHA ( 4 ) = 6.220 Q(PSF) = 42.933 PO/PSF = 2117.1 RUN NO = 89.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0979 | .2193  | .3677  | .1014  |
| .230 | -.0978 | .3200  | .2930  | .1135  |
| .410 | -.0632 | .2535  | .2598  | .1791  |
| .590 | -.5381 | .0347  | .1996  | .1791  |
| .770 | -.3285 | -.0937 | .0199  | .2565  |
| .878 | -.2190 | -.1548 | -.1590 | -.1959 |

BETA ( 5 ) = 10.120 ALPHA ( 5 ) = 8.270 Q(PSF) = 42.933 PO/PSF = 2117.1 RUN NO = 89.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | .0241  | .3323  | .4650  | .2031  |
| .230 | .0915  | .3613  | .3509  | .1497  |
| .410 | -.0852 | .2866  | .3032  | .2220  |
| .590 | -.5463 | .0536  | .2306  | .2289  |
| .770 | -.3610 | -.0831 | .0378  | .3240  |
| .878 | -.2400 | -.1431 | -.1537 | -.2389 |

BETA ( 5 ) = 10.120 ALPHA ( 6 ) = 10.340 Q(PSF) = 42.933 PO/PSF = 2117.1 RUN NO = 89.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | .1773  | .5003  | .5863  | .2678  |
| .230 | .1217  | .4009  | .3937  | .1906  |
| .410 | -.0704 | .3212  | .3440  | .2643  |
| .590 | -.5419 | .0976  | .2684  | .2575  |
| .770 | -.3707 | -.0515 | .0692  | .3481  |
| .878 | -.2142 | -.1134 | -.1302 | -.2321 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAU-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF18) ( 11 MAY 76 )

## REFERENCE DATA

## PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0405

MACH = .170 ELEVON = .000  
 SDFLAP = .000 SPDBRK = 25.000  
 PHI-N = 66.000 THETAN = 80.000  
 PHI-M = 68.000 THETAM = 80.000

BETA ( 1 ) = -10.110 ALPHA ( 1 ) = .020 Q(PSF) = 42.900 PO/PSF = 2117.2 RUN NO = 90.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.4559 -.4686 -.7238 -1.1357  
 .230 -.3929 -.4223 -.2952 -.1761  
 .410 -.1103 -.0956 -.1639 -.1744  
 .590 -.1303 -.1208 -.2112 -.2760  
 .770 -.3477 -.2479 -.2427 -.2511  
 .878 -.3992 -.3414 -.3141 -.2605

BETA ( 1 ) = -10.110 ALPHA ( 2 ) = 2.050 Q(PSF) = 42.900 PO/PSF = 2117.2 RUN NO = 90.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.3953 -.4090 -.6487 -.9400  
 .230 -.3490 -.3480 -.1934 -.0986  
 .410 -.0568 -.0179 -.0893 -.1090  
 .590 -.0673 -.0473 -.1325 -.1797  
 .770 -.2786 -.1976 -.1829 -.1924  
 .878 -.3249 -.3017 -.2765 -.2124

BETA ( 1 ) = -10.110 ALPHA ( 3 ) = 4.110 Q(PSF) = 42.900 PO/PSF = 2117.2 RUN NO = 90.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.3550 -.3466 -.5557 -.7307  
 .230 -.3235 -.2542 -.0924 -.0434  
 .410 -.0136 .0734 -.0199 -.0434  
 .590 -.0283 .0220 -.0504 -.0634  
 .770 -.2153 -.1407 -.1145 -.1082  
 .878 -.2594 -.2510 -.2405 -.1607

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF18)

BETA ( 1 ) = -10.110 ALPHA ( 4 ) = 5.150 Q(PSF) = 42.900 PO/PSF = 2117.2 RUN NO = 90.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3333 | -.3144 | -.5015 | -.6608 |
| .230 | -.3102 | -.1868 | -.0557 | -.0297 |
| .410 | .0073  | .1208  | .0157  | -.0193 |
| .590 | -.0126 | .0609  | -.0095 | -.0573 |
| .770 | -.1840 | -.1072 | -.0788 | -.0673 |
| .878 | -.2240 | -.2292 | -.2208 | -.1346 |

BETA ( 1 ) = -10.110 ALPHA ( 5 ) = 5.210 Q(PSF) = 42.900 PO/PSF = 2117.2 RUN NO = 90.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3360 | -.2749 | -.4624 | -.6637 |
| .230 | -.2939 | -.1411 | -.0411 | -.0090 |
| .410 | .0368  | .1569  | .0600  | .0151  |
| .590 | .0031  | .0947  | .0336  | -.0142 |
| .770 | -.1559 | -.0748 | -.0432 | -.0274 |
| .878 | -.1907 | -.2054 | -.2012 | -.1148 |

BETA ( 1 ) = -10.110 ALPHA ( 6 ) = 5.270 Q(PSF) = 42.900 PO/PSF = 2117.2 RUN NO = 90.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3530 | -.2132 | -.3509 | -.7515 |
| .230 | -.1229 | -.0819 | -.0410 | .0219  |
| .410 | .1071  | .1846  | .1617  | .0977  |
| .590 | .0556  | .1554  | .1249  | .0771  |
| .770 | -.1019 | -.0094 | .0283  | .0377  |
| .878 | -.1387 | -.1544 | -.1618 | -.0935 |



DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

PAGE 1223

0A163 OPB

MAIN GEAR DOOR INNER SURFACE

(RFFF18)

BETA ( 1 ) = -10.110 ALPHA ( 7 ) = 10.340 Q(PSF) = 42.900 PO/PSF = 2117.2 RUN NO = 90.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3228 | -.1598 | -.2482 | -.5815 |
| .230 | .0514  | .0230  | .0588  | .1030  |
| .410 | .1713  | .2262  | .2014  | .1410  |
| .590 | .1072  | .1869  | .1786  | .1306  |
| .770 | -.0536 | .0399  | .1051  | .1366  |
| .878 | -.0915 | -.1030 | -.1073 | -.0641 |

BETA ( 2 ) = -5.000 ALPHA ( 1 ) = .000 Q(PSF) = 42.950 PO/PSF = 2117.1 RUN NO = 91.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |         |
|------|--------|--------|--------|---------|
| .050 | -.5786 | -.4240 | -.6365 | -1.0096 |
| .230 | -.3903 | -.2925 | -.2272 | -.1694  |
| .410 | -.0221 | .0336  | -.0368 | -.1021  |
| .590 | -.0578 | .0020  | -.0778 | -.1177  |
| .770 | -.2609 | -.1904 | -.1757 | -.1725  |
| .878 | -.2946 | -.3219 | -.3356 | -.2535  |

BETA ( 2 ) = -5.000 ALPHA ( 2 ) = 2.070 Q(PSF) = 42.950 PO/PSF = 2117.1 RUN NO = 91.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5253 | -.3593 | -.5494 | -.9738 |
| .230 | -.2626 | -.2164 | -.1481 | -.0865 |
| .410 | .0409  | .0724  | .0220  | -.0503 |
| .590 | -.0189 | .0335  | -.0326 | -.0779 |
| .770 | -.2227 | -.1429 | -.1113 | -.1071 |
| .878 | -.2574 | -.2784 | -.2910 | -.2290 |

DATE 17 MAY 78

TABULATED PRESSURE DATA - OA163 ( NAAL-75: )

PAGE 1227

OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF18)

BETA ( 2 ) = -5.000 ALPHA ( 3 ) = 4.110 Q(PSF) = 42.050 PO/PSF = 2117.1 RUN NO = 91.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4789 | -.3035 | -.4652 | -.8545 |
| .230 | -.1040 | -.1449 | -.0714 | -.0004 |
| .410 | .1028  | .0986  | .0734  | -.0055 |
| .590 | .0146  | .0650  | .0398  | -.0210 |
| .770 | -.1922 | -.0903 | -.0231 | -.0168 |
| .878 | -.2342 | -.2373 | -.2321 | -.2279 |

BETA ( 2 ) = -5.000 ALPHA ( 4 ) = 6.190 Q(PSF) = 42.950 PO/PSF = 2117.1 RUN NO = 91.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4174 | -.2517 | -.3702 | -.7966 |
| .230 | .0586  | -.0419 | .0377  | .0271  |
| .410 | .1520  | .1509  | .1321  | .0597  |
| .590 | .0555  | .1100  | .1090  | .0529  |
| .770 | -.1667 | -.0419 | .0440  | .0733  |
| .878 | -.2108 | -.1961 | -.1835 | -.1909 |

BETA ( 2 ) = -5.000 ALPHA ( 5 ) = 8.250 Q(PSF) = 42.950 PO/PSF = 2117.1 RUN NO = 91.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3562 | -.2049 | -.2816 | -.6448 |
| .230 | .1565  | .0798  | .1239  | .0374  |
| .410 | .1888  | .1960  | .1732  | .1098  |
| .590 | .0861  | .1523  | .1691  | .1150  |
| .770 | -.1418 | .0052  | .1165  | .1888  |
| .878 | -.1860 | -.1565 | -.1282 | -.1387 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

PAGE 1228

OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF18)

BETA ( 2 ) = -5.000 ALPHA ( 6 ) = 10.330 Q(PSF) = 42.950 PO/PSF = 2117.1 RUN NO = 91.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2904 | -.1604 | -.2076 | -.6314 |
| .230 | .2070  | .2018  | .2039  | .0958  |
| .410 | .2204  | .2359  | .2121  | .1646  |
| .590 | .1121  | .1935  | .2153  | .1698  |
| .770 | -.1227 | .0450  | .1698  | .2742  |
| .878 | -.1552 | -.1153 | -.0839 | -.0912 |

BETA ( 3 ) = .000 ALPHA ( 1 ) = .010 Q(PSF) = 42.888 PO/PSF = 2117.1 RUN NO = 92.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5759 | -.4074 | -.5875 | -.9344 |
| .230 | -.0905 | -.1758 | -.0368 | -.0677 |
| .410 | .0410  | .0504  | .0147  | -.0539 |
| .590 | -.0747 | .0031  | -.0105 | -.0746 |
| .770 | -.3464 | -.1579 | -.0653 | -.0568 |
| .878 | -.3716 | -.3127 | -.2885 | -.2979 |

BETA ( 3 ) = .000 ALPHA ( 2 ) = 2.050 Q(PSF) = 42.888 PO/PSF = 2117.1 RUN NO = 92.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |         |
|------|--------|--------|--------|---------|
| .050 | -.5079 | -.3764 | -.4952 | -1.0057 |
| .230 | .0346  | -.0515 | .0430  | -.0624  |
| .410 | .0683  | .0966  | .0662  | -.0038  |
| .590 | -.0557 | .0472  | .0609  | -.0021  |
| .770 | -.3354 | -.1157 | .0104  | .0441   |
| .878 | -.3554 | -.2797 | -.2523 | -.2818  |

DATE 17 MAY 76

## TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF18)

BETA ( 3 ) = .000 ALPHA ( 3 ) = 4.110 Q(PSF) = 42.888 PO/PSF = 2117.1 RUN NO = 92.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4617 | -.3723 | -.4238 | -.8938 |
| .230 | .1030  | .0988  | .1040  | -.0366 |
| .410 | .0925  | .1377  | .1051  | .0461  |
| .590 | -.0357 | .0935  | .1135  | .0513  |
| .770 | -.3208 | -.0715 | .0620  | .1387  |
| .878 | -.3313 | -.2429 | -.2114 | -.2535 |

BETA ( 3 ) = .000 ALPHA ( 4 ) = 6.180 Q(PSF) = 42.888 PO/PSF = 2117.1 RUN NO = 92.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4442 | -.3518 | -.3287 | -.7839 |
| .230 | .1207  | .1690  | .1511  | .0219  |
| .410 | .1154  | .1762  | .1480  | .0874  |
| .590 | -.0157 | .1291  | .1606  | .0994  |
| .770 | -.2993 | -.0346 | .1091  | .2187  |
| .878 | -.2992 | -.2059 | -.1764 | -.1890 |

BETA ( 3 ) = .000 ALPHA ( 5 ) = 8.240 Q(PSF) = 42.888 PO/PSF = 2117.1 RUN NO = 92.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3824 | -.3097 | -.2623 | -.5619 |
| .230 | .1411  | .2028  | .1913  | .0790  |
| .410 | .1400  | .2204  | .1986  | .1447  |
| .590 | .0073  | .1747  | .2132  | .1654  |
| .770 | -.2676 | .0010  | .1474  | .2786  |
| .878 | -.2570 | -.1622 | -.1422 | -.0864 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

PAGE 1230

OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF18)

BETA ( 3 ) = .000 ALPHA ( 6 ) = 10.310 Q(PSF) = 42.888 PO/PSF = 2117.1 RUN NO = 92.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3580 | -.2467 | -.2068 | -.3757 |
| .230 | -.1568 | .2393  | .2362  | .1476  |
| .410 | .1647  | .2600  | .2435  | .1923  |
| .590 | .0377  | .2176  | .2579  | .2162  |
| .770 | -.2341 | .0545  | .2052  | .3345  |
| .878 | -.2194 | -.1197 | -.0966 | -.0462 |

BETA ( 4 ) = 5.000 ALPHA ( 1 ) = -.020 Q(PSF) = 42.912 PO/PSF = 2117.1 RUN NO = 93.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |         |
|------|--------|--------|--------|---------|
| .050 | -.6682 | -.5306 | -.5032 | -1.0083 |
| .230 | -.0052 | .0766  | .0566  | -.0693  |
| .410 | -.0178 | .0850  | .0493  | -.0090  |
| .590 | -.1587 | .0367  | .0577  | -.0159  |
| .770 | -.4686 | -.1408 | -.0031 | .0756   |
| .878 | -.4381 | -.3110 | -.2942 | -.3604  |

BETA ( 4 ) = 5.000 ALPHA ( 2 ) = 2.100 Q(PSF) = 42.912 PO/PSF = 2117.1 RUN NO = 93.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6799 | -.4845 | -.4098 | -.8724 |
| .230 | .0020  | .1040  | .0913  | -.0383 |
| .410 | .0073  | .1250  | .0924  | .0202  |
| .590 | -.1324 | .0787  | .1071  | .0306  |
| .770 | -.4340 | -.0967 | .0440  | .1586  |
| .878 | -.3962 | -.2701 | -.2596 | -.2501 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF18)

BETA ( 4 ) = 5.000 ALPHA ( 3 ) = 4.110 Q(PSF) = 42.912 PO/PSF = 2117.1 RUN NO = 93.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6211 | -.4643 | -.4221 | -.5804 |
| .230 | .0210  | .1357  | .1273  | .0289  |
| .410 | .0304  | .1694  | .1410  | .0755  |
| .590 | -.1053 | .1199  | .1536  | .0859  |
| .770 | -.4106 | -.0610 | .0736  | .2005  |
| .878 | -.3706 | -.2337 | -.2232 | -.1747 |

BETA ( 4 ) = 5.000 ALPHA ( 4 ) = 6.170 Q(PSF) = 42.912 PO/PSF = 2117.1 RUN NO = 93.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5440 | -.3686 | -.3182 | -.1984 |
| .230 | .0577  | .1814  | .1773  | .0719  |
| .410 | .0587  | .2125  | .1887  | .1201  |
| .590 | -.0735 | .1648  | .1980  | .1408  |
| .770 | -.3749 | -.0231 | .1144  | .2529  |
| .878 | -.3382 | -.1943 | -.1775 | -.1292 |

BETA ( 4 ) = 5.000 ALPHA ( 5 ) = 8.290 Q(PSF) = 42.912 PO/PSF = 2117.1 RUN NO = 93.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4050 | -.2399 | -.1420 | .0030  |
| .230 | .0967  | .2346  | .2346  | .1134  |
| .410 | .0904  | .2585  | .2398  | .1686  |
| .590 | -.0442 | .2046  | .2429  | .1892  |
| .770 | -.3493 | .0146  | .1525  | .2958  |
| .878 | -.3146 | -.1567 | -.1399 | -.0905 |

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OF POOR QUALITY

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF10)

BETA ( 4 ) = 5.000 ALPHA ( 6 ) = 10.310 Q(PSF) = 42.912 PO/PSF = 2117.1 RUN NO = 93.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2351 | -.0798 | .0304  | .1080  |
| .230 | .1217  | .2848  | .2858  | .1493  |
| .410 | .0996  | .2982  | .2827  | .2076  |
| .590 | -.0273 | .24    | .2776  | .2282  |
| .770 | -.3411 | .0524  | .1865  | .3438  |
| .878 | -.2960 | -.1165 | -.1018 | -.0598 |

BETA ( 5 ) = 10.000 ALPHA ( 1 ) = .000 Q(PSF) = 42.882 PO/PSF = 2117.2 RUN NO = 94.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.8405 | -.5838 | -.5323 | -.7336 |
| .230 | -.0263 | .0515  | .0346  | -.0521 |
| .410 | -.0168 | .0883  | .0409  | -.0297 |
| .590 | -.1525 | .0388  | .0494  | -.0193 |
| .770 | -.4408 | -.1294 | -.0242 | .0977  |
| .878 | -.3945 | -.2840 | -.2945 | -.2672 |

BETA ( 5 ) = 10.000 ALPHA ( 2 ) = 2.080 Q(PSF) = 42.882 PO/PSF = 2117.2 RUN NO = 94.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4479 | -.3196 | -.3164 | -.4917 |
| .230 | -.0200 | .1040  | .0777  | -.0142 |
| .410 | -.0116 | .1345  | .0924  | .0151  |
| .590 | -.1209 | .0924  | .0977  | .0289  |
| .770 | -.4058 | -.0799 | .0094  | .1208  |
| .878 | -.3627 | -.2344 | -.2429 | -.2103 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

PAGE 1233

0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF16)

BETA ( 5 ) = 10.000 ALPHA ( 3 ) = 4.120 Q(PSF) = 42.882 PO/PSF = 2117.2 RUN NO = 94.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2125 | .0872  | .1776  | .0220  |
| .230 | .0157  | .1942  | .1661  | .0513  |
| .410 | .0136  | .2149  | .1724  | .0910  |
| .590 | -.0641 | .1640  | .1714  | .0996  |
| .770 | -.3913 | -.0242 | .0672  | .1693  |
| .878 | -.3587 | -.2009 | -.1956 | -.1557 |

BETA ( 5 ) = 10.000 ALPHA ( 4 ) = 6.200 Q(PSF) = 42.882 PO/PSF = 2117.2 RUN NO = 94.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1387 | .2457  | .3948  | .1339  |
| .230 | .0419  | .2933  | .2995  | .1288  |
| .410 | .0010  | .3037  | .2902  | .1958  |
| .590 | -.1124 | .2364  | .2695  | .1975  |
| .770 | -.4444 | .0104  | .1344  | .2747  |
| .878 | -.3940 | -.1902 | -.1775 | -.1271 |

BETA ( 5 ) = 10.000 ALPHA ( 5 ) = 8.250 Q(PSF) = 42.882 PO/PSF = 2117.2 RUN NO = 94.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0231 | .3032  | .4670  | .2099  |
| .230 | .0378  | .3384  | .3550  | .1669  |
| .410 | -.0200 | .3395  | .3405  | .2425  |
| .590 | -.1410 | .2648  | .3156  | .2494  |
| .770 | -.4672 | .0283  | .1683  | .3395  |
| .878 | -.3831 | -.1789 | -.1652 | -.1105 |



DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

PAGE 1234

OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(R7FF10)

BETA ( 5 ) = 10.000    ALPHA ( 6 ) = 10.350    Q(PSF) = 42.882    PO/PSF = 2117.2    RUN NO = 94.000

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML       .0760    .3100    .5820    .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | .1410  | .4806  | .5916  | .2735  |
| .230 | .0715  | .3789  | .3985  | .2116  |
| .410 | .0000  | .3717  | .3789  | .2838  |
| .590 | -.1252 | .2939  | .3468  | .2804  |
| .770 | -.4505 | .0557  | .1932  | .3727  |
| .878 | -.3579 | -.1537 | -.1452 | -.1031 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFF19) ( 03 FEB 76 )

## REFERENCE DATA

## PARAMETRIC DATA

SREF = 2620.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0405

MACH = .170 ELEVON = .000  
 BOFLAP = .000 SPDBRK = 25.000  
 PHI-N = 66.000 THETAN = 95.000  
 PHI-M = 68.000 THETAM = 96.000

BETA ( 1 ) = -10.070 ALPHA ( 1 ) = .010 Q(PSF) = 42.892 PO/PSF = 2125.6 RUN NO = 145.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.4959 -.5095 -.7963 -1.0737  
 .230 -.4171 -.4685 -.2847 -.2071  
 .410 -.1429 -.1345 -.1744 -.1881  
 .590 -.1324 -.1282 -.2290 -.3001  
 .770 -.1765 -.1597 -.2301 -.2532  
 .878 -.3110 -.2656 -.2784 -.2437

BETA ( 1 ) = -10.070 ALPHA ( 2 ) = 2.060 Q(PSF) = 42.892 PO/PSF = 2125.6 RUN NO = 145.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.4345 -.4599 -.7003 -.9154  
 .230 -.3723 -.3871 -.1877 -.1232  
 .410 -.0738 -.0432 -.1044 -.1232  
 .590 -.0380 -.0422 -.1550 -.2010  
 .770 -.0949 -.0960 -.1593 -.1835  
 .878 -.2373 -.2204 -.2268 -.1888

BETA ( 1 ) = -10.070 ALPHA ( 3 ) = 4.150 Q(PSF) = 42.892 PO/PSF = 2125.6 RUN NO = 145.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.3822 -.3896 -.5928 -.7049  
 .230 -.3443 -.2822 -.0800 -.0522  
 .410 -.0221 .0420 -.0263 -.0556  
 .590 .0336 .0315 -.0705 -.1126  
 .770 -.0189 -.0295 -.0800 -.0990  
 .878 -.1737 -.1685 -.1674 -.1284

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

PAGE 1236

0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF19)

BETA ( 1 ) = -10.070 ALPHA ( 4 ) = 6.210 Q(PSF) = 42.892 PO/PSF = 2125.6 RUN NO = 145.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4187 | -.3156 | -.4913 | -.6957 |
| .230 | -.3188 | -.1799 | -.1178 | -.0935 |
| .410 | .0041  | .1367  | .0799  | .0237  |
| .590 | .0820  | .1356  | .0536  | .0099  |
| .770 | .0430  | .0662  | .0220  | -.0305 |
| .878 | -.1241 | -.0947 | -.1063 | -.0821 |

BETA ( 1 ) = -10.070 ALPHA ( 5 ) = 8.250 Q(PSF) = 42.892 PO/PSF = 2125.6 RUN NO = 145.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3821 | -.2389 | -.3905 | -.7443 |
| .230 | -.1631 | -.1021 | -.0421 | .0134  |
| .410 | .0715  | .1673  | .1367  | .0738  |
| .590 | .1346  | .1767  | .1220  | .0513  |
| .770 | .0873  | .1336  | .1220  | .0662  |
| .878 | -.0768 | -.0358 | -.0253 | -.0189 |

BETA ( 1 ) = -10.070 ALPHA ( 6 ) = 10.360 Q(PSF) = 42.892 PO/PSF = 2125.6 RUN NO = 145.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3348 | -.1757 | -.2814 | -.5802 |
| .230 | .0156  | .0000  | .0512  | .0956  |
| .410 | .1464  | .2127  | .1910  | .1265  |
| .590 | .1910  | .2251  | .1962  | .1248  |
| .770 | .1422  | .1859  | .1931  | .1516  |
| .878 | -.0251 | .0208  | .0439  | .0365  |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

PAGE 1237

OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF19)

BETA ( 2 ) = -5.050 ALPHA ( 1 ) = -.010 Q(PSF) = 42.965 PO/PSF = 2125.5 RUN NO = 146.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6029 | -.4635 | -.6837 | -.9444 |
| .230 | -.4330 | -.3240 | -.2307 | -.1981 |
| .410 | -.0660 | .0093  | -.0514 | -.0967 |
| .590 | .0041  | .0167  | -.1027 | -.1328 |
| .770 | -.0472 | -.0503 | -.1332 | -.1709 |
| .878 | -.2191 | -.2107 | -.2296 | -.2076 |

BETA ( 2 ) = -5.050 ALPHA ( 2 ) = 2.050 Q(PSF) = 42.965 PO/PSF = 2125.5 RUN NO = 146.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5452 | -.3921 | -.6018 | -.8876 |
| .230 | -.2946 | -.2443 | -.1331 | -.0932 |
| .410 | .0031  | .0492  | .0031  | -.0554 |
| .590 | .0523  | .0618  | -.0304 | -.0760 |
| .770 | -.0052 | .0114  | -.0430 | -.1101 |
| .878 | -.1856 | -.1562 | -.1531 | -.1667 |

BETA ( 2 ) = -5.050 ALPHA ( 3 ) = 4.120 Q(PSF) = 42.965 PO/PSF = 2125.5 RUN NO = 146.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5040 | -.3332 | -.4977 | -.8612 |
| .230 | -.1289 | -.1593 | -.0775 | -.0158 |
| .410 | .0580  | .0879  | .0617  | -.0158 |
| .590 | .1005  | .1057  | .0544  | -.0261 |
| .770 | .0408  | .0712  | .0701  | -.0973 |
| .878 | -.1477 | -.0974 | -.0503 | -.1226 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

PAGE 1239

OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF191)

BETA ( 2 ) = -5.050 ALPHA ( 4 ) = 6.190 Q(PSF) = 42.965 PO/PSF = 2125.5 RUN NO = 146.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4377 | -.2725 | -.4019 | -.8217 |
| .230 | .0273  | -.0537 | .0283  | .0254  |
| .410 | .1251  | .1388  | .1188  | .0479  |
| .590 | .1472  | .1535  | .1230  | .0461  |
| .770 | .0736  | .1199  | .1451  | .0809  |
| .878 | -.1241 | -.0515 | .0146  | -.0305 |

BETA ( 2 ) = -5.050 ALPHA ( 5 ) = 8.260 Q(PSF) = 42.965 PO/PSF = 2125.5 RUN NO = 146.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3738 | -.2127 | -.3043 | -.6686 |
| .230 | .1263  | .0610  | .1199  | .0358  |
| .410 | .1663  | .1840  | .1715  | .1083  |
| .590 | .1850  | .2006  | .1912  | .1170  |
| .770 | .0989  | .1663  | .2141  | .1933  |
| .878 | -.1021 | -.0126 | .0662  | .0578  |

BETA ( 2 ) = -5.050 ALPHA ( 6 ) = 10.310 Q(PSF) = 42.965 PO/PSF = 2125.5 RUN NO = 146.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3103 | -.1761 | -.2285 | -.6536 |
| .230 | .1852  | .1739  | .1914  | .0889  |
| .410 | .1997  | .2255  | .2090  | .1646  |
| .590 | .2142  | .2421  | .2390  | .1732  |
| .770 | .1236  | .2038  | .2617  | .2834  |
| .878 | -.0786 | .0230  | .1058  | .1247  |

DATE 17 MAY 76

TAGULATED PRESSURE DATA - OA163 ( NAAL-751 )

PAGE 1239

OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF19)

BETA ( 3 ) = -.010 ALPHA ( 1 ) = -.010 Q(PSF) = 42.965 PO/PSF = 2125.5 RUN NO = 147.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6026 | -.4373 | -.6257 | -.9011 |
| .230 | -.1255 | -.2040 | -.0544 | -.0793 |
| .410 | .0083  | .0271  | -.0052 | -.0690 |
| .590 | .0250  | .0459  | -.0010 | -.0827 |
| .770 | -.0638 | .0198  | .0344  | -.0533 |
| .878 | -.2783 | -.1548 | -.0826 | -.1622 |

BETA ( 3 ) = -.010 ALPHA ( 2 ) = 2.040 Q(PSF) = 42.965 PO/PSF = 2125.5 RUN NO = 147.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |         |
|------|--------|--------|--------|---------|
| .050 | -.5337 | -.4005 | -.5316 | -1.0476 |
| .230 | -.0031 | -.0818 | .0335  | -.0640  |
| .410 | .0408  | .0723  | .0502  | -.0124  |
| .590 | .0523  | .0911  | .0670  | -.0158  |
| .770 | -.0472 | .0628  | .1037  | .0324   |
| .878 | -.2653 | -.1206 | -.0367 | -.0965  |

BETA ( 3 ) = -.010 ALPHA ( 3 ) = 4.110 Q(PSF) = 42.965 PO/PSF = 2125.5 RUN NO = 147.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4752 | -.3838 | -.4489 | -.8694 |
| .230 | .0777  | .0746  | .0914  | -.0400 |
| .410 | .0672  | .1219  | .1019  | .0375  |
| .590 | .0819  | .1440  | .1345  | .0461  |
| .770 | -.0294 | .1114  | .1660  | .1408  |
| .878 | -.2492 | -.0841 | .0073  | -.0410 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

PAGE 1240

0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF19)

BETA ( 3 ) = -.010 ALPHA ( 4 ) = 6.200 Q(PSF) = 42.965 PO/PSF = 2125.5 RUN NO = 147.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4500 | -.3709 | -.3551 | -.8195 |
| .230 | .1021  | .1517  | .1401  | .0116  |
| .410 | .0937  | .1643  | .1453  | .0894  |
| .590 | .1064  | .1862  | .1852  | .1050  |
| .770 | -.0137 | .1506  | .2174  | .2298  |
| .878 | -.2339 | -.0516 | .0431  | .0484  |

BETA ( 3 ) = -.010 ALPHA ( 5 ) = 8.280 Q(PSF) = 42.965 PO/PSF = 2125.5 RUN NO = 147.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3843 | -.3255 | -.2804 | -.5911 |
| .230 | .1196  | .1835  | .1783  | .0650  |
| .410 | .1196  | .2063  | .1949  | .1442  |
| .590 | .1333  | .2259  | .2332  | .1666  |
| .770 | .0136  | .1856  | .2539  | .2808  |
| .878 | -.1985 | -.0115 | .0650  | .0430  |

BETA ( 3 ) = -.010 ALPHA ( 6 ) = 10.330 Q(PSF) = 42.965 PO/PSF = 2125.5 RUN NO = 147.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3575 | -.2725 | -.2212 | -.3992 |
| .230 | .1477  | .2204  | .2224  | .1354  |
| .410 | .1435  | .2462  | .2390  | .1937  |
| .590 | .1540  | .2627  | .2741  | .2142  |
| .770 | .0314  | .2162  | .2865  | .3299  |
| .878 | -.1667 | .0198  | .0922  | .0481  |

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

PAGE 1241

0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF19)

BETA ( 4 ) = 5.040 ALPHA ( 1 ) = -.020 Q(PSF) = 42.938 PO/PSF = 2125.4 RUN NO = 148.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5920 .8530

X/CML

|      |        |        |        |         |
|------|--------|--------|--------|---------|
| .050 | -.6568 | -.5510 | -.5385 | -1.0191 |
| .230 | -.0251 | .0523  | .0439  | -.0828  |
| .410 | -.0419 | .0659  | .0429  | -.0175  |
| .590 | -.0283 | .0879  | .0785  | -.0210  |
| .770 | -.1529 | .0554  | .1162  | .0848   |
| .878 | -.3740 | -.1477 | -.0471 | -.1320  |

BETA ( 4 ) = 5.040 ALPHA ( 2 ) = 2.050 Q(PSF) = 42.938 PO/PSF = 2125.4 RUN NO = 148.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5920 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6848 | -.5086 | -.4404 | -.9290 |
| .230 | -.0210 | .0786  | .0754  | -.0485 |
| .410 | -.0199 | .1016  | .0828  | .0185  |
| .590 | -.0021 | .1226  | .1216  | .0271  |
| .770 | -.1290 | .0786  | .1352  | .1541  |
| .878 | -.3387 | -.1311 | -.0556 | -.0692 |

BETA ( 4 ) = 5.040 ALPHA ( 3 ) = 4.110 Q(PSF) = 42.938 PO/PSF = 2125.4 RUN NO = 148.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5920 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6357 | -.5023 | -.4613 | -.5673 |
| .230 | .0010  | .1102  | .1071  | .0202  |
| .410 | .0083  | .1460  | .1281  | .0736  |
| .590 | .0262  | .1617  | .1607  | .0840  |
| .770 | -.0977 | .1123  | .1575  | .1815  |
| .878 | -.2953 | -.0967 | -.0536 | -.0767 |

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DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

PAGE 1242

0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF19)

BETA ( 4 ) = 5.040 ALPHA ( 4 ) = 6.200 Q(PSF) = 42.938 PO/PSF = 2125.4 RUN NO = 148.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5535 | -.4020 | -.2957 | -.1332 |
| .230 | .0367  | .1641  | .1662  | .0720  |
| .410 | .0410  | .1963  | .1880  | .1238  |
| .590 | .0515  | .2056  | .2098  | .1393  |
| .770 | -.0726 | .1493  | .1973  | .2326  |
| .878 | -.2599 | -.0600 | -.0168 | -.0421 |

BETA ( 4 ) = 5.040 ALPHA ( 5 ) = 8.240 Q(PSF) = 42.938 PO/PSF = 2125.4 RUN NO = 148.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |       |
|------|--------|--------|--------|-------|
| .050 | -.4469 | -.2650 | -.0873 | .0633 |
| .230 | .0767  | .2200  | .2324  | .1289 |
| .410 | .0651  | .2459  | .2428  | .1840 |
| .590 | .0693  | .2490  | .2635  | .1960 |
| .770 | -.0557 | .1879  | .2459  | .2884 |
| .878 | -.2471 | -.0252 | .0230  | .0041 |

BETA ( 4 ) = 5.040 ALPHA ( 6 ) = 10.310 Q(PSF) = 42.938 PO/PSF = 2125.4 RUN NO = 148.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |       |       |
|------|--------|--------|-------|-------|
| .050 | -.2807 | -.1146 | .0220 | .1185 |
| .230 | .1030  | .2718  | .2863 | .1599 |
| .410 | .0746  | .2904  | .2915 | .2251 |
| .590 | .0798  | .2873  | .3018 | .2406 |
| .770 | -.0505 | .2221  | .2832 | .3433 |
| .878 | -.2250 | .0104  | .0588 | .0430 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

PAGE 1243

OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF19)

BETA ( 5 ) = 10.080 ALPHA ( 1 ) = .000 Q(PSF) = 42.905 PO/PSF = 2125.6 RUN NO = 149.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.8666 | -.5991 | -.5687 | -.6301 |
| .230 | -.0399 | .0366  | .0219  | -.0571 |
| .410 | -.0325 | .0744  | .0408  | -.0262 |
| .590 | -.0220 | .0880  | .0734  | -.0124 |
| .770 | -.1416 | .0356  | .0765  | .0964  |
| .878 | -.3347 | -.1637 | -.1248 | -.1479 |

BETA ( 5 ) = 10.080 ALPHA ( 2 ) = 2.040 Q(PSF) = 42.905 PO/PSF = 2125.6 RUN NO = 149.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5372 | -.4121 | -.4068 | -.5227 |
| .230 | -.0368 | .0830  | .0661  | -.0159 |
| .410 | -.0347 | .1187  | .0872  | .0168  |
| .590 | -.0189 | .1292  | .1134  | .0289  |
| .770 | -.1188 | .0735  | .1008  | .1208  |
| .878 | -.2891 | -.1261 | -.1051 | -.1324 |

BETA ( 5 ) = 10.080 ALPHA ( 3 ) = 4.100 Q(PSF) = 42.905 PO/PSF = 2125.6 RUN NO = 149.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2853 | -.0274 | .0831  | -.0556 |
| .230 | -.0084 | .1579  | .1484  | .0444  |
| .410 | -.0210 | .1840  | .1610  | .0876  |
| .590 | -.0063 | .1819  | .1715  | .0928  |
| .770 | -.1116 | .1199  | .1442  | .1589  |
| .878 | -.2653 | -.0905 | -.0726 | -.0905 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

PAGE 1244

OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF19)

BETA ( 5 ) = 10.080 ALPHA ( 4 ) = 6.180 Q(PSF) = 42.905 PO/PSF = 2125.6 RUN NO = 149.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1556 | .2117  | .3413  | .1151  |
| .230 | .0167  | .2553  | .2615  | .1134  |
| .410 | -.0284 | .2656  | .2636  | .1771  |
| .590 | -.0200 | .2573  | .2636  | .1789  |
| .770 | -.1367 | .1827  | .2252  | .2480  |
| .878 | -.2955 | -.0484 | -.0179 | -.0431 |

BETA ( 5 ) = 10.080 ALPHA ( 5 ) = 8.260 Q(PSF) = 42.905 PO/PSF = 2125.6 RUN NO = 149.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |       |       |
|------|--------|--------|-------|-------|
| .050 | -.0705 | .2834  | .4628 | .1996 |
| .230 | .0146  | .3114  | .3404 | .1652 |
| .410 | -.0484 | .3145  | .3311 | .2408 |
| .590 | -.0547 | .2990  | .3280 | .2425 |
| .770 | -.1873 | .2160  | .2772 | .3259 |
| .878 | -.3188 | -.0210 | .0199 | .0136 |

BETA ( 5 ) = 10.080 ALPHA ( 6 ) = 10.310 Q(PSF) = 42.905 PO/PSF = 2125.6 RUN NO = 149.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |       |       |       |
|------|--------|-------|-------|-------|
| .050 | .0902  | .4318 | .5704 | .2728 |
| .230 | .0493  | .3573 | .3883 | .2094 |
| .410 | -.0336 | .3500 | .3759 | .2865 |
| .590 | -.0483 | .3293 | .3625 | .2796 |
| .770 | -.1743 | .2414 | .3066 | .3687 |
| .878 | -.3034 | .0010 | .0430 | .0461 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF20) ( 03 FEB 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
LREF = 474.8100 INCHES YMRP = .0000 IN. YO  
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
SCALE = .0405

PARAMETRIC DATA

MACH = .170 ELEVON = .000  
BDFLAP = .000 SPDBRK = 25.000  
PHI-N = 66.000 THETAN = 108.000  
PHI-M = 88.000 THETAM = 98.000

BETA ( 1 ) = -10.030 ALPHA ( 1 ) = .010 Q(PSF) = 42.885 PO/PSF = 2117.2 RUN NO = 130.00

SECTION ( 1 ) MAIN LND GR DR-I DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.4929 -.5087 -.7900 -1.0817  
.230 -.4160 -.4782 -.2875 -.2007  
.410 -.1327 -.1338 -.1791 -.1921  
.590 -.1243 -.1222 -.2296 -.2975  
.770 -.1727 -.1580 -.2275 -.2559  
.878 -.3076 -.2665 -.2739 -.2433

BETA ( 1 ) = -10.030 ALPHA ( 2 ) = 2.090 Q(PSF) = 42.885 PO/PSF = 2117.2 RUN NO = 130.00

SECTION ( 1 ) MAIN LND GR DR-I DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.4325 -.4630 -.6966 -.8994  
.230 -.3746 -.3883 -.1831 -.1177  
.410 -.0747 -.0431 -.0957 -.1194  
.590 -.0368 -.0389 -.1526 -.2005  
.770 -.0842 -.0894 -.1547 -.1820  
.878 -.2347 -.2189 -.2262 -.1894

BETA ( 1 ) = -10.030 ALPHA ( 3 ) = 4.150 Q(PSF) = 42.885 PO/PSF = 2117.2 RUN NO = 130.00

SECTION ( 1 ) MAIN LND GR DR-I DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.3824 -.3814 -.5915 -.6913  
.230 -.3467 -.2805 -.0777 -.0572  
.410 -.0231 .0493 -.0284 -.0538  
.590 .0388 .0325 -.0746 -.1072  
.770 -.0147 -.0263 -.0725 -.0956  
.878 -.1713 -.1660 -.1681 -.1303

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFF#20)

BETA ( 1 ) = -10.030 ALPHA ( 4 ) = 6.240 Q(PSF) = 42.885 PO/PSF = 2117.2 RUN NO = 130.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4194 | -.3111 | -.4898 | -.7054 |
| .230 | -.3185 | -.1766 | -.1146 | -.0917 |
| .410 | .0083  | .1366  | .0766  | .0237  |
| .590 | .0861  | .1324  | .0556  | .0099  |
| .770 | .0441  | .0672  | .0241  | -.0315 |
| .878 | -.1261 | -.0977 | -.1051 | -.0862 |

BETA ( 1 ) = -10.030 ALPHA ( 5 ) = 8.310 Q(PSF) = 42.885 PO/PSF = 2117.2 RUN NO = 130.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3784 | -.2333 | -.3878 | -.7398 |
| .230 | -.1555 | -.0988 | -.0368 | .0133  |
| .410 | .0756  | .1660  | .1376  | .0719  |
| .590 | .1387  | .1774  | .1250  | .0564  |
| .770 | .0914  | .1344  | .1239  | .0651  |
| .878 | -.0788 | -.0336 | -.0210 | -.0221 |

BETA ( 1 ) = -10.040 ALPHA ( 6 ) = 10.350 Q(PSF) = 42.885 PO/PSF = 2117.2 RUN NO = 130.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3302 | -.1735 | -.2776 | -.5971 |
| .230 | .0115  | .0000  | .0493  | .0944  |
| .410 | .1461  | .2138  | .1941  | .1272  |
| .590 | .1941  | .2252  | .1972  | .1237  |
| .770 | .1419  | .1848  | .1962  | .1514  |
| .878 | -.0284 | .0178  | .0451  | .0346  |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 JRB

MAIN GEAR DOOR INNER SURFACE

(RFFF20)

BETA ( 2 ) = -5.020 ALPHA ( 1 ) = .030 Q(PSF) = 42.927 PO/PSF = 2117.1 RUN NO = 131.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6016 | -.4638 | -.6742 | -.9542 |
| .230 | -.4333 | -.3218 | -.2230 | -.1866 |
| .410 | -.0631 | .0115  | -.0505 | -.0935 |
| .590 | .0073  | .0199  | -.0989 | -.1280 |
| .770 | -.0421 | -.0505 | -.1304 | -.1651 |
| .878 | -.2167 | -.2083 | -.2272 | -.2051 |

BETA ( 2 ) = -5.020 ALPHA ( 2 ) = 2.060 Q(PSF) = 42.927 PO/PSF = 2117.1 RUN NO = 131.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5471 | -.3882 | -.6007 | -.9010 |
| .230 | -.2893 | -.2409 | -.1389 | -.0987 |
| .410 | .0031  | .0525  | .0031  | -.0507 |
| .590 | .0525  | .0662  | -.0294 | -.0780 |
| .770 | -.0042 | .0115  | -.0431 | -.1094 |
| .878 | -.1841 | -.1536 | -.1504 | -.1662 |

BETA ( 2 ) = -5.020 ALPHA ( 3 ) = 4.130 Q(PSF) = 42.927 PO/PSF = 2117.1 RUN NO = 131.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5052 | -.3287 | -.4937 | -.8668 |
| .230 | -.1407 | -.1565 | -.0840 | -.0141 |
| .410 | .0682  | .0850  | .0619  | -.0141 |
| .590 | .1028  | .1070  | .0556  | -.0227 |
| .770 | .0377  | .0745  | .0734  | -.0031 |
| .878 | -.1502 | -.0977 | -.0504 | -.1197 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF20)

BETA ( 2 ) = -5.020 ALPHA ( 4 ) = 6.210 Q(PSF) = 42.927 PO/PSF = 2117.1 RUN NO = 131.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4366 | -.2666 | -.4009 | -.8145 |
| .230 | .0209  | -.0546 | .0303  | .0271  |
| .410 | .1238  | .1374  | .1175  | .0443  |
| .590 | .1468  | .1510  | .1227  | .0460  |
| .770 | .0744  | .1217  | .1437  | .0828  |
| .878 | -.1228 | -.0483 | .0104  | -.0325 |

BETA ( 2 ) = -5.030 ALPHA ( 5 ) = 8.290 Q(PSF) = 42.927 PO/PSF = 2117.1 RUN NO = 131.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3709 | -.2154 | -.3037 | -.6604 |
| .230 | .1271  | .0588  | .1197  | .0357  |
| .410 | .1660  | .1826  | .1691  | .1064  |
| .590 | .1805  | .2012  | .1867  | .1167  |
| .770 | .1018  | .1681  | .2105  | .1940  |
| .878 | -.1019 | -.0105 | .0630  | .0556  |

BETA ( 2 ) = -5.030 ALPHA ( 6 ) = 10.400 Q(PSF) = 42.927 PO/PSF = 2117.1 RUN NO = 131.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3053 | -.1752 | -.2245 | -.6439 |
| .230 | .1865  | .1802  | .1937  | .0942  |
| .410 | .2030  | .2278  | .2123  | .1665  |
| .590 | .2154  | .2423  | .2413  | .1768  |
| .770 | .1258  | .2082  | .2661  | .2857  |
| .878 | -.0787 | .0261  | .1080  | .1259  |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF20)

BETA ( 3 ) = -.010 ALPHA ( 1 ) = .010 Q(PSF) = 42.907 PO/PSF = 2117.1 RUN NO = 132.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6021 | -.4350 | -.6210 | -.9154 |
| .230 | -.1282 | -.2007 | -.0504 | -.0779 |
| .410 | .0083  | .0293  | -.0031 | -.0710 |
| .590 | .0262  | .0451  | -.0052 | -.0796 |
| .770 | -.0620 | .0209  | .0367  | -.0536 |
| .878 | -.2764 | -.1524 | -.0820 | -.1650 |

BETA ( 3 ) = -.010 ALPHA ( 2 ) = 2.060 Q(PSF) = 42.907 PO/PSF = 2117.1 RUN NO = 132.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |         |
|------|--------|--------|--------|---------|
| .050 | -.5288 | -.3963 | -.5299 | -1.0486 |
| .230 | -.0042 | -.0862 | .0357  | -.0624  |
| .410 | .0420  | .0756  | .0525  | -.0142  |
| .590 | .0546  | .0945  | .0714  | -.0159  |
| .770 | -.0431 | .0651  | .1050  | .0388   |
| .878 | -.2618 | -.1198 | -.0347 | -.0967  |

BETA ( 3 ) = -.010 ALPHA ( 3 ) = 4.130 Q(PSF) = 42.907 PO/PSF = 2117.1 RUN NO = 132.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4739 | -.3877 | -.4487 | -.8654 |
| .230 | .0787  | .0672  | .0903  | -.0400 |
| .410 | .0693  | .1239  | .1018  | .0392  |
| .590 | .0829  | .1428  | .1355  | .0495  |
| .770 | -.0284 | .1113  | .1691  | .1407  |
| .878 | -.2501 | -.0830 | .0083  | -.0431 |



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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF20)

BETA ( 3 ) = -.010 ALPHA ( 4 ) = 6.200 Q(PSF) = 42.907 PO/PSF = 2117.1 RUN NO = 132.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4431 | -.3694 | -.3547 | -.8168 |
| .230 | .1041  | .1504  | .1410  | .0134  |
| .410 | .0957  | .1662  | .1462  | .0876  |
| .590 | .1083  | .1870  | .1870  | .0997  |
| .770 | -.0105 | .1536  | .2171  | .2316  |
| .878 | -.2295 | -.0484 | .0441  | .0452  |

BETA ( 3 ) = -.010 ALPHA ( 5 ) = 8.340 Q(PSF) = 42.907 PO/PSF = 2117.1 RUN NO = 132.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3833 | -.3224 | -.2751 | -.5858 |
| .230 | .1217  | .1835  | .1783  | .0684  |
| .410 | .1217  | .2062  | .1949  | .1459  |
| .590 | .1343  | .2280  | .2311  | .1700  |
| .770 | .0136  | .1866  | .2539  | .2797  |
| .878 | -.1964 | -.0105 | .0661  | .0440  |

BETA ( 3 ) = -.010 ALPHA ( 6 ) = 10.350 Q(PSF) = 42.907 PO/PSF = 2117.1 RUN NO = 132.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3532 | -.2702 | -.2239 | -.3986 |
| .230 | .1460  | .2199  | .2230  | .1340  |
| .410 | .1429  | .2469  | .2417  | .1908  |
| .590 | .1565  | .2635  | .2728  | .2114  |
| .770 | .0367  | .2189  | .2831  | .3267  |
| .878 | -.1661 | .0220  | .0914  | .0472  |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF20)

BETA ( 4 ) = 5.030 ALPHA ( 1 ) = .020 Q(PSF) = 42.912 PO/PSF = 2117.0 RUN NO = 133.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |         |
|------|--------|--------|--------|---------|
| .050 | -.8549 | -.5530 | -.5340 | -1.0003 |
| .230 | -.0252 | .0535  | .0441  | -.0745  |
| .410 | -.0399 | .0672  | .0420  | -.0176  |
| .590 | -.0252 | .0882  | .0777  | -.0159  |
| .770 | -.1503 | .0577  | .1156  | .0819   |
| .878 | -.3721 | -.1472 | -.0483 | -.1324  |

BETA ( 4 ) = 5.030 ALPHA ( 2 ) = 2.070 Q(PSF) = 42.912 PO/PSF = 2117.0 RUN NO = 133.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6840 | -.5096 | -.4434 | -.9153 |
| .230 | -.0200 | .0777  | .0735  | -.0486 |
| .410 | -.0200 | .1018  | .0808  | .0168  |
| .590 | -.0021 | .1228  | .1197  | .0323  |
| .770 | -.1282 | .0777  | .1365  | .1554  |
| .878 | -.3393 | -.1303 | -.0588 | -.0641 |

BETA ( 4 ) = 5.030 ALPHA ( 3 ) = 4.120 Q(PSF) = 42.912 PO/PSF = 2117.0 RUN NO = 133.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6449 | -.5000 | -.4695 | -.5895 |
| .230 | .0010  | .1092  | .1060  | .0219  |
| .410 | .0094  | .1449  | .1260  | .0702  |
| .590 | .0262  | .1606  | .1575  | .0822  |
| .770 | -.0977 | .1102  | .1554  | .1815  |
| .878 | -.2920 | -.0966 | -.0546 | -.0746 |

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OF POOR QUALITY

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF20)

BETA ( 4 ) = 5.030 ALPHA ( 4 ) = 6.200 Q(PSF) = 42.912 PO/PSF = 2117.0 RUN NO = 133.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5683 | -.3999 | -.3094 | -.1384 |
| .230 | .0367  | .1609  | .1620  | .0686  |
| .410 | .0378  | .1932  | .1797  | .1186  |
| .590 | .0515  | .2036  | .2036  | .1359  |
| .770 | -.0716 | .1473  | .1932  | .2254  |
| .878 | -.2568 | -.0610 | -.0210 | -.0473 |

BETA ( 4 ) = 5.030 ALPHA ( 5 ) = 8.280 Q(PSF) = 42.912 PO/PSF = 2117.0 RUN NO = 133.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |       |
|------|--------|--------|--------|-------|
| .050 | -.4531 | -.2681 | -.0809 | .0564 |
| .230 | .0798  | .2189  | .2283  | .1237 |
| .410 | .0661  | .2428  | .2407  | .1788 |
| .590 | .0756  | .2469  | .2573  | .1943 |
| .770 | -.0526 | .1858  | .2365  | .2790 |
| .878 | -.2355 | -.0273 | .0199  | .0000 |

BETA ( 4 ) = 5.030 ALPHA ( 6 ) = 10.340 Q(PSF) = 42.912 PO/PSF = 2117.0 RUN NO = 133.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |       |       |
|------|--------|--------|-------|-------|
| .050 | -.2866 | -.1165 | .0241 | .1149 |
| .230 | .1039  | .2704  | .2818 | .1562 |
| .410 | .0755  | .2880  | .2880 | .2231 |
| .590 | .0797  | .2859  | .2973 | .2398 |
| .770 | -.0493 | .2166  | .2756 | .3346 |
| .878 | -.2226 | .0052  | .0545 | .0346 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF20)

BETA ( 5 ) = 10.050 ALPHA ( 1 ) = .030 Q(PSF) = 42.900 PO/PSF = 2117.2 RUN NO = 134.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.8554 | -.6081 | -.5628 | -.6059 |
| .230 | -.0431 | .0304  | .0167  | -.0521 |
| .410 | -.0368 | .0693  | .0357  | -.0262 |
| .590 | -.0263 | .0841  | .0683  | -.0107 |
| .770 | -.1515 | .0336  | .0715  | .0872  |
| .878 | -.3409 | -.1673 | -.1294 | -.1546 |

BETA ( 5 ) = 10.050 ALPHA ( 2 ) = 2.100 Q(PSF) = 42.900 PO/PSF = 2117.2 RUN NO = 134.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5559 | -.3962 | -.3678 | -.4398 |
| .230 | -.0368 | .0840  | .0714  | -.0124 |
| .410 | -.0399 | .1176  | .0913  | .0202  |
| .590 | -.0252 | .1302  | .1166  | .0340  |
| .770 | -.1314 | .0735  | .0987  | .1166  |
| .878 | -.2995 | -.1293 | -.1061 | -.1366 |

BETA ( 5 ) = 10.040 ALPHA ( 3 ) = 4.170 Q(PSF) = 42.900 PO/PSF = 2117.2 RUN NO = 134.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2788 | -.0137 | .1230  | .0082  |
| .230 | -.0074 | .1693  | .1672  | .0599  |
| .410 | -.0200 | .1932  | .1755  | .0996  |
| .590 | -.0084 | .1952  | .1890  | .1082  |
| .770 | -.1231 | .1348  | .1609  | .1755  |
| .878 | -.2819 | -.0810 | -.0600 | -.0768 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF20)

BETA ( 5 ) = 10.040 ALPHA ( 4 ) = 6.230 Q(PSF) = 42.900 PO/PSF = 2117.2 RUN NO = 134.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1637 | .2092  | .3509  | .1183  |
| .230 | .0146  | .2609  | .2712  | .1217  |
| .410 | -.0357 | .2723  | .2702  | .1870  |
| .590 | -.0262 | .2630  | .2702  | .1904  |
| .770 | -.1511 | .1864  | .2288  | .2588  |
| .878 | -.3043 | -.0493 | -.0168 | -.0388 |

BETA ( 5 ) = 10.040 ALPHA ( 5 ) = 8.280 Q(PSF) = 42.900 PO/PSF = 2117.2 RUN NO = 134.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |       |       |
|------|--------|--------|-------|-------|
| .050 | -.0789 | .2501  | .4595 | .1995 |
| .230 | .0136  | .3102  | .3382 | .1651 |
| .410 | -.0536 | .3113  | .3309 | .2424 |
| .590 | -.0610 | .2978  | .3268 | .2424 |
| .770 | -.1946 | .2149  | .2771 | .3289 |
| .878 | -.3281 | -.0242 | .0230 | .0167 |

BETA ( 5 ) = 10.050 ALPHA ( 6 ) = 10.350 Q(PSF) = 42.900 PO/PSF = 2117.2 RUN NO = 134.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |       |       |
|------|--------|--------|-------|-------|
| .050 | .0736  | .4161  | .5612 | .2733 |
| .230 | .0483  | .3559  | .3870 | .2081 |
| .410 | -.0315 | .3476  | .3725 | .2836 |
| .590 | -.0505 | .3290  | .3642 | .2785 |
| .770 | -.1809 | .2408  | .3062 | .3673 |
| .878 | -.3072 | -.0021 | .0409 | .0441 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF21) ( 03 FEB 76 )

## REFERENCE DATA

## PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0405

MACH = .170 ELEVON = 5.000  
 BDFLAP = -11.700 SPDBRK = 25.000  
 PHI-N = 66.700 THETAN = 108.000  
 PHI-M = 88.000 THETAM = 98.000

BETA ( 1 ) = -10.050 ALPHA ( 1 ) = .050 Q(PSF) = 42.917 PO/PSF = 2120.7 RUN NO = 105.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.4784 -.5025 -.7727 -1.0366  
 .230 -.4016 -.4510 -.2712 -.1848  
 .410 -.1209 -.1135 -.1640 -.1728  
 .590 -.1114 -.1104 -.2166 -.2779  
 .770 -.1577 -.1514 -.2113 -.2429  
 .878 -.2902 -.2492 -.2586 -.2302

BETA ( 1 ) = -10.050 ALPHA ( 2 ) = 2.160 Q(PSF) = 42.917 PO/PSF = 2120.7 RUN NO = 105.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.4194 -.4456 -.6811 -.8622  
 .230 -.3616 -.3679 -.1650 -.1072  
 .410 -.0641 -.0284 -.0841 -.1107  
 .590 -.0242 -.0221 -.1293 -.1813  
 .770 -.0767 -.0778 -.1419 -.1619  
 .878 -.2176 -.2080 -.2102 -.1724

BETA ( 1 ) = -10.050 ALPHA ( 3 ) = 4.190 Q(PSF) = 42.917 PO/PSF = 2120.7 RUN NO = 105.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.3727 -.3717 -.5686 -.6651  
 .230 -.3390 -.2611 -.0737 -.0453  
 .410 -.0084 -.0694 -.0147 -.0401  
 .590 .0473 .0483 -.0600 -.0988  
 .770 -.0053 -.0147 -.0600 -.0821  
 .878 -.1558 -.1537 -.1558 -.1148

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

PAGE 1220

OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF21)

BETA ( 1 ) = -10.050 ALPHA ( 4 ) = 6.250 Q(PSF) = 42.917 PO/PSF = 2120.7 RUN NO = 105.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4199 | -.2971 | -.4713 | -.6976 |
| .230 | -.3013 | -.1679 | -.1050 | -.0830 |
| .410 | .0199  | .1437  | .0891  | .0323  |
| .590 | .0912  | .1437  | .0660  | .0202  |
| .770 | .0513  | .0776  | .0356  | -.0199 |
| .878 | -.1123 | -.0850 | -.0913 | -.0714 |

BETA ( 1 ) = -10.050 ALPHA ( 5 ) = 8.340 Q(PSF) = 42.917 PO/PSF = 2120.7 RUN NO = 105.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3721 | -.2260 | -.3710 | -.7191 |
| .230 | -.1419 | -.0820 | -.0242 | .0254  |
| .410 | .0871  | .1754  | .1471  | .0788  |
| .590 | .1492  | .1888  | .1386  | .0650  |
| .770 | .0998  | .1450  | .1365  | .0798  |
| .878 | -.0631 | -.0189 | -.0105 | -.0105 |

BETA ( 1 ) = -10.050 ALPHA ( 6 ) = 10.430 Q(PSF) = 42.917 PO/PSF = 2120.7 RUN NO = 105.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3169 | -.1627 | -.2613 | -.5752 |
| .230 | .0366  | .0178  | .0713  | .1045  |
| .410 | .1594  | .2215  | .2041  | .1372  |
| .590 | .2051  | .2361  | .2072  | .1372  |
| .770 | .1542  | .1979  | .2092  | .1657  |
| .878 | -.0147 | .0335  | .0629  | .0513  |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF21)

BETA ( 2 ) = -5.050 ALPHA ( 1 ) = .070 Q(PSF) = 42.950 PO/PSF = 2120.6 RUN NO = 106.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5908 | -.4489 | -.6644 | -.9192 |
| .230 | -.4110 | -.3080 | -.2039 | -.1676 |
| .410 | -.0504 | .0209  | -.0389 | -.0831 |
| .590 | .0157  | .0314  | -.0862 | -.1176 |
| .770 | -.0357 | -.0368 | -.1167 | -.1545 |
| .878 | -.2060 | -.1945 | -.2123 | -.1966 |

BETA ( 2 ) = -5.050 ALPHA ( 2 ) = 2.130 Q(PSF) = 42.950 PO/PSF = 2120.6 RUN NO = 106.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5392 | -.3784 | -.5833 | -.8880 |
| .230 | -.2859 | -.2270 | -.1230 | -.0883 |
| .410 | .0157  | .0588  | .0104  | -.0538 |
| .590 | .0661  | .0735  | -.0158 | -.0693 |
| .770 | .0073  | .0209  | -.0126 | -.0862 |
| .878 | -.1734 | -.1377 | -.1303 | -.1471 |

BETA ( 2 ) = -5.050 ALPHA ( 3 ) = 4.160 Q(PSF) = 42.950 PO/PSF = 2120.6 RUN NO = 106.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4971 | -.3226 | -.4866 | -.8087 |
| .230 | -.1177 | -.1503 | -.0651 | -.0038 |
| .410 | .0787  | .0945  | .0724  | -.0055 |
| .590 | .1113  | .1145  | .0640  | -.0124 |
| .770 | .0483  | .0819  | .0840  | .0083  |
| .878 | -.1408 | -.0830 | -.0368 | -.1061 |



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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

PAGE 1629

0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF21)

BETA ( 2 ) = -5.060 ALPHA ( 4 ) = 6.240 Q(PSF) = 42.950 PO/PSF = 2120.6 RUN NO = 106.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4230 | -.2593 | -.3863 | -.8043 |
| .230 | .0398  | -.0483 | .0419  | .0340  |
| .410 | .1332  | .1448  | .1280  | .0564  |
| .590 | .1563  | .1637  | .1343  | .0564  |
| .770 | .0839  | .1332  | .1574  | .0975  |
| .878 | -.1134 | -.0388 | .0283  | -.0168 |

BETA ( 2 ) = -5.060 ALPHA ( 5 ) = 8.320 Q(PSF) = 42.950 PO/PSF = 2120.6 RUN NO = 106.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3596 | -.2086 | -.2915 | -.6451 |
| .230 | .1394  | .0796  | .1320  | .0442  |
| .410 | .1708  | .1915  | .1760  | .1147  |
| .590 | .1915  | .2080  | .1977  | .1285  |
| .770 | .1110  | .1770  | .2194  | .2070  |
| .878 | -.0912 | -.0010 | .0775  | .0681  |

BETA ( 2 ) = -5.060 ALPHA ( 6 ) = 10.400 Q(PSF) = 42.950 PO/PSF = 2120.6 RUN NO = 106.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2980 | -.1647 | -.2151 | -.6319 |
| .230 | .1947  | .1937  | .2040  | .1028  |
| .410 | .2092  | .2350  | .2195  | .1733  |
| .590 | .2257  | .2537  | .2526  | .1836  |
| .770 | .1353  | .2164  | .2743  | .2971  |
| .878 | -.0661 | .0358  | .1185  | .1405  |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF21)

BETA ( 3 ) = -.030 ALPHA ( 1 ) = .060 Q(PSF) = 42.928 PO/PSF = 2120.6 RUN NO = 107.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5883 | -.4255 | -.6114 | -.8996 |
| .230 | -.1113 | -.1859 | -.0336 | -.0727 |
| .410 | .0167  | .0388  | .0041  | -.0589 |
| .590 | .0346  | .0566  | .0073  | -.0693 |
| .770 | -.0557 | .0335  | .0482  | -.0378 |
| .878 | -.2679 | -.1429 | -.0620 | -.1460 |

BETA ( 3 ) = -.030 ALPHA ( 2 ) = 2.130 Q(PSF) = 42.928 PO/PSF = 2120.6 RUN NO = 107.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |         |
|------|--------|--------|--------|---------|
| .050 | -.5179 | -.3887 | -.5148 | -1.0255 |
| .230 | .0146  | -.0578 | .0493  | -.0607  |
| .410 | .0503  | .0829  | .0619  | -.0021  |
| .590 | .0619  | .1029  | .0829  | -.0038  |
| .770 | -.0357 | .0787  | .1197  | .0535   |
| .878 | -.2532 | -.1082 | -.0178 | -.0861  |

BETA ( 3 ) = -.030 ALPHA ( 3 ) = 4.230 Q(PSF) = 42.928 PO/PSF = 2120.6 RUN NO = 107.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4617 | -.3828 | -.4323 | -.8765 |
| .230 | .0883  | .0872  | .1030  | -.0280 |
| .410 | .0756  | .1314  | .1124  | .0513  |
| .590 | .0925  | .1535  | .1482  | .0582  |
| .770 | -.0189 | .1240  | .1817  | .1598  |
| .878 | -.2398 | -.0715 | .0252  | -.0284 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

PAGE 1220

0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF21)

BETA ( 3 ) = -.030 ALPHA ( 4 ) = 6.240 Q(PSF) = 42.928 PO/PSF = 2120.6 RUN NO = 107.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4343 | -.3596 | -.3376 | -.7816 |
| .230 | .1093  | .1598  | .1482  | .0254  |
| .410 | .1040  | .1734  | .1555  | .0978  |
| .590 | .1177  | .1951  | .1962  | .1151  |
| .770 | -.0031 | .1587  | .2252  | .2407  |
| .878 | -.2219 | -.0399 | .0567  | .0599  |

BETA ( 3 ) = -.030 ALPHA ( 5 ) = 8.310 Q(PSF) = 42.928 PO/PSF = 2120.6 RUN NO = 107.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3715 | -.3148 | -.2686 | -.5631 |
| .230 | .1248  | .1896  | .1885  | .0787  |
| .410 | .1269  | .2175  | .2040  | .1544  |
| .590 | .1416  | .2361  | .2392  | .1768  |
| .770 | .0209  | .1947  | .2599  | .2878  |
| .878 | -.1857 | -.0010 | .0776  | .0566  |

BETA ( 3 ) = -.030 ALPHA ( 6 ) = 10.400 Q(PSF) = 42.928 PO/PSF = 2120.6 RUN NO = 107.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3433 | -.2572 | -.2100 | -.3705 |
| .230 | .1542  | .2279  | .2310  | .1442  |
| .410 | .1511  | .2559  | .2486  | .2008  |
| .590 | .1637  | .2724  | .2817  | .2248  |
| .770 | .0430  | .2269  | .2952  | .3376  |
| .878 | -.1554 | .0335  | .1060  | .0556  |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

PAGE 1261

OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF21)

BETA ( 4 ) = 5.000 ALPHA ( 1 ) = .070 Q(PSF) = 42.917 PO/PSF = 2120.5 RUN NO = 108.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6544 | -.5420 | -.5147 | -.9978 |
| .230 | -.0231 | .0608  | .0514  | -.0675 |
| .410 | -.0347 | .0734  | .0514  | -.0055 |
| .590 | -.0168 | .0966  | .0882  | -.0090 |
| .770 | -.1429 | .0650  | .1239  | .0945  |
| .878 | -.3603 | -.1344 | -.0399 | -.1197 |

BETA ( 4 ) = 5.000 ALPHA ( 2 ) = 2.140 Q(PSF) = 42.917 PO/PSF = 2120.5 RUN NO = 108.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6744 | -.5063 | -.4296 | -.8910 |
| .230 | -.0147 | .0850  | .0819  | -.0410 |
| .410 | -.0126 | .1123  | .0924  | .0254  |
| .590 | .0073  | .1312  | .1281  | .0409  |
| .770 | -.1176 | .0903  | .1438  | .1659  |
| .878 | -.3225 | -.1166 | -.0515 | -.0536 |

BETA ( 4 ) = 5.000 ALPHA ( 3 ) = 4.160 Q(PSF) = 42.917 PO/PSF = 2120.5 RUN NO = 108.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6204 | -.4668 | -.4490 | -.5056 |
| .230 | .0094  | .1177  | .1156  | .0323  |
| .410 | .0146  | .1545  | .1377  | .0823  |
| .590 | .0346  | .1692  | .1671  | .0927  |
| .770 | -.0862 | .1198  | .1650  | .1889  |
| .878 | -.2786 | -.0831 | -.0420 | -.0704 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF21)

BETA ( 4 ) = 5.000 ALPHA ( 4 ) = 6.250 Q(PSF) = 42.917 PO/PSF = 2120.5 RUN NO = 108.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5547 | -.3853 | -.2779 | -.1039 |
| .230 | .0462  | .1704  | .1725  | .0755  |
| .410 | .0483  | .2036  | .1881  | .1290  |
| .590 | .0641  | .2119  | .2109  | .1463  |
| .770 | -.0579 | .1557  | .2016  | .2368  |
| .878 | -.2432 | -.0505 | -.0095 | -.0347 |

BETA ( 4 ) = 5.000 ALPHA ( 5 ) = 8.320 Q(PSF) = 42.917 PO/PSF = 2120.5 RUN NO = 108.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2522 | .1123  | -.2217 | .1960  |
| .230 | .1659  | -.4455 | -.1334 | -.0136 |
| .410 | .0000  | -.0357 | -.1555 | -.4298 |
| .590 | .0000  | -.0336 | .1250  | .0871  |
| .770 | .0000  | -.0326 | .1113  | .0829  |
| .878 | .0000  | -.1324 | .0672  | -.0420 |

BETA ( 4 ) = 5.000 ALPHA ( 6 ) = 10.390 Q(PSF) = 42.917 PO/PSF = 2120.5 RUN NO = 108.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |       |       |
|------|--------|--------|-------|-------|
| .050 | -.2572 | -.0871 | .0492 | .1218 |
| .230 | .1112  | .2795  | .2920 | .1631 |
| .410 | .0818  | .2982  | .3003 | .2299 |
| .590 | .0870  | .2941  | .3076 | .2419 |
| .770 | -.0388 | .2279  | .2838 | .3407 |
| .878 | -.2047 | .0199  | .0639 | .0492 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

PAGE 1283

OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF21)

BETA ( 5 ) = 10.020 ALPHA ( 1 ) = .040 Q(PSF) = 42.895 PO/PSF = 2120.6 RUN NO = 109.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.8397 | -.5937 | -.5507 | -.5932 |
| .230 | -.0368 | .0430  | .0293  | -.0452 |
| .410 | -.0284 | .0798  | .0483  | -.0159 |
| .590 | -.0221 | .0924  | .0766  | -.0038 |
| .770 | -.1429 | .0430  | .0808  | .0976  |
| .878 | -.3226 | -.1524 | -.1177 | -.1419 |

BETA ( 5 ) = 10.020 ALPHA ( 2 ) = 2.120 Q(PSF) = 42.895 PO/PSF = 2120.6 RUN NO = 109.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5132 | -.3663 | -.3201 | -.3859 |
| .230 | -.0283 | .0944  | .0839  | -.0038 |
| .410 | -.0283 | .1280  | .1017  | .0322  |
| .590 | -.0157 | .1385  | .1248  | .0443  |
| .770 | -.1196 | .0828  | .1112  | .1259  |
| .878 | -.2823 | -.1154 | -.0924 | -.1238 |

BETA ( 5 ) = 10.020 ALPHA ( 3 ) = 4.190 Q(PSF) = 42.895 PO/PSF = 2120.6 RUN NO = 109.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2547 | .0136  | .1620  | .0496  |
| .230 | .0010  | .1777  | .1735  | .0720  |
| .410 | -.0168 | .2057  | .1839  | .1152  |
| .590 | -.0031 | .2098  | .2036  | .1186  |
| .770 | -.1105 | .1430  | .1694  | .1829  |
| .878 | -.2684 | -.0684 | -.0463 | -.0694 |

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OF POOR QUALITY

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF21)

BETA ( 5 ) = 10.010 ALPHA ( 4 ) = 6.250 Q(PSF) = 42.895 PO/PSF = 2120.6 RUN NO = 109.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1454 | .2308  | .3740  | .1256  |
| .230 | .0241  | .2723  | .2879  | .1256  |
| .410 | -.0263 | .2827  | .2858  | .1981  |
| .590 | -.0211 | .2744  | .2837  | .2015  |
| .770 | -.1348 | .1955  | .2391  | .2713  |
| .878 | -.2812 | -.0347 | -.0053 | -.0305 |

BETA ( 5 ) = 10.010 ALPHA ( 5 ) = 8.360 Q(PSF) = 42.895 PO/PSF = 2120.6 RUN NO = 109.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |       |       |
|------|--------|--------|-------|-------|
| .050 | -.0504 | .2903  | .4735 | .2147 |
| .230 | -.0430 | .3203  | .3503 | .1753 |
| .410 | -.0431 | .3234  | .3431 | .2507 |
| .590 | -.0515 | .3068  | .3358 | .2524 |
| .770 | -.1723 | .2250  | .2851 | .3389 |
| .878 | -.2994 | -.0094 | .0314 | .0293 |

BETA ( 5 ) = 10.010 ALPHA ( 6 ) = 10.420 Q(PSF) = 42.895 PO/PSF = 2120.6 RUN NO = 109.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |       |       |       |
|------|--------|-------|-------|-------|
| .050 | .0946  | .4491 | .5870 | .2870 |
| .230 | .0599  | .3672 | .3994 | .2201 |
| .410 | -.0231 | .3600 | .3838 | .2939 |
| .590 | -.0368 | .3392 | .3703 | .2887 |
| .770 | -.1588 | .2511 | .3133 | .3766 |
| .878 | -.2892 | .0115 | .0514 | .0525 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF22) ( 03 FEB 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0405

## PARAMETRIC DATA

MACH = .170 ELEVON = 5.000  
 BDFLAP = .000 SPDBRK = 25.000  
 PHI-N = 66.000 THETAN = 108.000  
 PHI-M = 88.000 THETAM = 98.000

BETA ( 1 ) = -10.020 ALPHA ( 1 ) = .060 Q(PSF) = 43.010 PO/PSF = 2120.8 RUN NO = 110.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.4704 -.4903 -.7613 -1.0335  
 .230 -.3885 -.4515 -.2635 -.1794  
 .410 -.1123 -.1050 -.1575 -.1674  
 .590 -.1039 -.1008 -.2058 -.2621  
 .770 -.1522 -.1354 -.2037 -.2341  
 .878 -.2803 -.2394 -.2509 -.2226

BETA ( 1 ) = -10.020 ALPHA ( 2 ) = 2.110 Q(PSF) = 43.010 PO/PSF = 2120.8 RUN NO = 110.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.4158 -.4367 -.6734 -.8574  
 .230 -.3571 -.3582 -.1581 -.1000  
 .410 -.0555 -.0209 -.0817 -.1034  
 .590 -.0188 -.0167 -.1246 -.1790  
 .770 -.0670 -.0754 -.1351 -.1592  
 .878 -.2095 -.1948 -.2042 -.1655

BETA ( 1 ) = -10.020 ALPHA ( 3 ) = 4.160 Q(PSF) = 43.010 PO/PSF = 2120.8 RUN NO = 110.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.3713 -.3650 -.5649 -.6611  
 .230 -.3356 -.2598 -.0652 -.0418  
 .410 -.0084 .0714 -.0105 -.0349  
 .590 .0536 .0494 -.0526 -.0901  
 .770 .0010 -.0116 -.0505 -.0789  
 .878 -.1525 -.1462 -.1483 -.1062



DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF22)

BETA ( 1 ) = -10.020    ALPHA ( 4 ) = 6.230    Q(PSF) = 43.010    PO/PSF = 2120.8    RUN NO = 110.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML    .0760    .3100    .5820    .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4077 | -.2948 | -.4662 | -.6878 |
| .230 | -.2990 | -.1631 | -.0993 | -.0741 |
| .410 | .0208  | .1473  | .0909  | .0373  |
| .590 | .0982  | .1463  | .0689  | .0253  |
| .770 | .0564  | .0856  | .0407  | -.0125 |
| .878 | -.1056 | -.0773 | -.0847 | -.0569 |

BETA ( 1 ) = -10.020    ALPHA ( 5 ) = 8.290    Q(PSF) = 43.010    PO/PSF = 2120.8    RUN NO = 110.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML    .0760    .3100    .5820    .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3586 | -.2160 | -.3607 | -.7140 |
| .230 | -.1237 | -.0870 | -.0210 | .0288  |
| .410 | .0911  | .1780  | .1520  | .0821  |
| .590 | .1540  | .1915  | .1415  | .0700  |
| .770 | .1058  | .1499  | .1415  | .0901  |
| .878 | -.0566 | -.0136 | -.0010 | -.0042 |

BETA ( 1 ) = -10.020    ALPHA ( 6 ) = 10.380    Q(PSF) = 43.010    PO/PSF = 2120.8    RUN NO = 110.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML    .0760    .3100    .5820    .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3123 | -.1561 | -.2547 | -.5659 |
| .230 | .0418  | .0230  | .0733  | .1078  |
| .410 | .1645  | .2286  | .2079  | .1405  |
| .590 | .2110  | .2379  | .2110  | .1422  |
| .770 | .1582  | .2007  | .2100  | .1697  |
| .878 | -.0073 | .0376  | .0638  | .0555  |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF22)

BETA ( 2 ) = -5.020 ALPHA ( 1 ) = .020 Q(P5F) = 42.915 PO/PSF = 2120.6 RUN NO = 111.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5864 | -.4485 | -.6580 | -.9188 |
| .230 | -.4074 | -.3032 | -.2053 | -.1661 |
| .410 | -.0495 | .0241  | -.0379 | -.0832 |
| .590 | .0199  | .0347  | -.0811 | -.1143 |
| .770 | -.0316 | -.0316 | -.1116 | -.1516 |
| .878 | -.2021 | -.1905 | -.2053 | -.1864 |

BETA ( 2 ) = -5.020 ALPHA ( 2 ) = 2.100 Q(P5F) = 42.915 PO/PSF = 2120.6 RUN NO = 111.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5330 | -.3735 | -.5812 | -.8761 |
| .230 | -.2759 | -.2256 | -.1154 | -.0795 |
| .410 | .0167  | .0639  | .0146  | -.0468 |
| .590 | .0692  | .0796  | -.0136 | -.0606 |
| .770 | .0115  | .0303  | -.0094 | -.0797 |
| .878 | -.1679 | -.1322 | -.1227 | -.1416 |

BETA ( 2 ) = -5.020 ALPHA ( 3 ) = 4.150 Q(P5F) = 42.915 PO/PSF = 2120.6 RUN NO = 111.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4885 | -.3151 | -.4780 | -.8204 |
| .230 | -.1061 | -.1450 | -.0599 | -.0021 |
| .410 | .0819  | .0976  | .0755  | -.0004 |
| .590 | .1165  | .1186  | .0703  | -.0090 |
| .770 | .0545  | .0882  | .0892  | .0115  |
| .878 | -.1345 | -.0746 | -.0273 | -.1008 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF22)

BETA ( 2 ) = -5.020 ALPHA ( 4 ) = 6.220 Q(PSF) = 42.915 PO/PSF = 2120.6 RUN NO = 111.00

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4196 | -.2535 | -.3807 | -.8058 |
| .230 | .0441  | -.0357 | .0483  | .0358  |
| .410 | .1366  | .1472  | .1324  | .0599  |
| .590 | .1587  | .1650  | .1377  | .0582  |
| .770 | .0851  | .1356  | .1598  | .1009  |
| .878 | -.1083 | -.0311 | .0315  | -.0063 |

BETA ( 2 ) = -5.020 ALPHA ( 5 ) = 8.290 Q(PSF) = 42.915 PO/PSF = 2120.6 RUN NO = 111.00

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3565 | -.2019 | -.2860 | -.6384 |
| .230 | .1461  | .0861  | .1377  | .0496  |
| .410 | .1765  | .1941  | .1806  | .1185  |
| .590 | .1962  | .2117  | .2034  | .1306  |
| .770 | .1124  | .1817  | .2252  | .2097  |
| .878 | -.0862 | .0083  | .0830  | .0704  |

BETA ( 2 ) = -5.020 ALPHA ( 6 ) = 10.380 Q(PSF) = 42.915 PO/PSF = 2120.6 RUN NO = 111.00

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2918 | -.1638 | -.2099 | -.6253 |
| .230 | .1979  | .1969  | .2103  | .1046  |
| .410 | .2124  | .2393  | .2227  | .1803  |
| .590 | .2290  | .2579  | .2548  | .1871  |
| .770 | .1374  | .2227  | .2817  | .3003  |
| .878 | -.0619 | .0430  | .1259  | .1437  |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF22)

BETA ( 3 ) = .010 ALPHA ( 1 ) = .010 Q(PSF) = 43.015 PO/PSF = 2120.6 RUN NO = 112.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CHL

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5845 | -.4214 | -.6075 | -.8835 |
| .230 | -.1056 | -.1924 | -.0324 | -.0672 |
| .410 | -.0219 | .0407  | .0083  | -.0552 |
| .590 | .0365  | .0606  | .0104  | -.0638 |
| .770 | -.0533 | .0365  | .0522  | -.0366 |
| .878 | -.2635 | -.1359 | -.0606 | -.1401 |

BETA ( 3 ) = .010 ALPHA ( 2 ) = 2.090 Q(PSF) = 43.015 PO/PSF = 2120.6 RUN NO = 112.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CHL

|      |        |        |        |         |
|------|--------|--------|--------|---------|
| .050 | -.5100 | -.3843 | -.5100 | -1.0205 |
| .230 | .0114  | -.0534 | .0502  | -.0570  |
| .410 | .0512  | .0879  | .0638  | .0013   |
| .590 | .0548  | .1057  | .0658  | .0013   |
| .770 | -.0335 | .0816  | .1214  | .0575   |
| .878 | -.2482 | -.1026 | -.0157 | -.0775  |

BETA ( 3 ) = .010 ALPHA ( 3 ) = 4.140 Q(PSF) = 43.015 PO/PSF = 2120.6 RUN NO = 112.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CHL

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2582 | .0000  | -.4315 | -.8715 |
| .230 | .1668  | -.5742 | -.7758 | -.0245 |
| .410 | .0700  | .0566  | .0062  | .0546  |
| .590 | .0000  | .0335  | -.0178 | .0615  |
| .770 | .0000  | .0325  | -.0262 | .1637  |
| .878 | .0000  | -.0882 | -.0189 | -.0252 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF22)

BETA ( 3 ) = .010 ALPHA ( 4 ) = 6.200 Q(PSF) = 43.015 PO/PSF = 2120.6 RUN NO = 112.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4340 | -.3552 | -.3341 | -.7844 |
| .230 | .1113  | .1628  | .1523  | .0288  |
| .410 | .1029  | .1764  | .1596  | .1012  |
| .590 | .1155  | .2002  | .1991  | .1167  |
| .770 | .0010  | .1638  | .2292  | .2457  |
| .878 | -.2133 | -.0357 | .0609  | .0619  |

BETA ( 3 ) = .010 ALPHA ( 5 ) = 8.290 Q(PSF) = 43.015 PO/PSF = 2120.6 RUN NO = 112.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3663 | -.3117 | -.2603 | -.5546 |
| .230 | .1280  | .1948  | .1907  | .0822  |
| .410 | .1280  | .2175  | .2072  | .1562  |
| .590 | .1448  | .2382  | .2444  | .1820  |
| .770 | .0251  | .1989  | .2651  | .2920  |
| .878 | -.1816 | .0052  | .0818  | .0597  |

BETA ( 3 ) = .010 ALPHA ( 6 ) = 10.370 Q(PSF) = 43.015 PO/PSF = 2120.6 RUN NO = 112.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3437 | -.2525 | -.2043 | -.3664 |
| .230 | .1561  | .2306  | .2368  | .1456  |
| .410 | .1540  | .2585  | .2533  | .2022  |
| .590 | .1655  | .2761  | .2854  | .2295  |
| .770 | .0460  | .2316  | .2967  | .3411  |
| .878 | -.1509 | .0376  | .1078  | .0617  |

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## TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF22)

BETA ( 4 ) = 5.040 ALPHA ( 1 ) = .000 Q(PSF) = 42.905 PO/PSF = 2120.6 RUN NO = 113.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6631 | -.5385 | -.5123 | -.9916 |
| .230 | -.0220 | .0638  | .0544  | -.0639 |
| .410 | -.0325 | .0785  | .0554  | -.0021 |
| .590 | -.0147 | .0994  | .0900  | -.0055 |
| .770 | -.1393 | .0691  | .1267  | .0963  |
| .878 | -.3551 | -.1299 | -.0346 | -.1152 |

BETA ( 4 ) = 5.040 ALPHA ( 2 ) = 2.080 Q(PSF) = 42.905 PO/PSF = 2120.6 RUN NO = 113.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6740 | -.5008 | -.4294 | -.8785 |
| .230 | -.0136 | .0871  | .0850  | -.0365 |
| .410 | -.0105 | .1133  | .0944  | .0254  |
| .590 | .0083  | .1343  | .1301  | .0426  |
| .770 | -.1155 | .0923  | .1469  | .1668  |
| .878 | -.3181 | -.1123 | -.0430 | -.0577 |

BETA ( 4 ) = 5.030 ALPHA ( 3 ) = 4.170 Q(PSF) = 42.905 PO/PSF = 2120.6 RUN NO = 113.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6146 | -.4801 | -.4412 | -.4896 |
| .230 | .0115  | .1218  | .1218  | .0374  |
| .410 | .0188  | .1564  | .1428  | .0874  |
| .590 | .0357  | .1732  | .1701  | .0960  |
| .770 | -.0809 | .1249  | .1701  | .1939  |
| .878 | -.2700 | -.0788 | -.0368 | -.0609 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF22)

BETA ( 4 ) = 5.030 ALPHA ( 4 ) = 6.220 Q(P5F) = 42.905 PO/PSF = 2120.6 RUN NO = 113.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5459 | -.3762 | -.2540 | -.1006 |
| .230 | .0494  | .1738  | .1779  | .0773  |
| .410 | .0484  | .2070  | .1945  | .1326  |
| .590 | .0642  | .2143  | .2163  | .1499  |
| .770 | -.0548 | .1601  | .2070  | .2402  |
| .878 | -.2371 | -.0432 | -.0053 | -.0306 |

BETA ( 4 ) = 5.030 ALPHA ( 5 ) = 8.280 Q(P5F) = 42.905 PO/PSF = 2120.6 RUN NO = 113.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |       |
|------|--------|--------|--------|-------|
| .050 | -.4178 | -.2368 | -.0368 | .0789 |
| .230 | .0925  | .2326  | .2420  | .1359 |
| .410 | .0788  | .2586  | .2534  | .1910 |
| .590 | .0852  | .2617  | .2700  | .2065 |
| .770 | -.0379 | .2005  | .2523  | .2897 |
| .878 | -.2157 | -.0074 | .0346  | .0136 |

BETA ( 4 ) = 5.030 ALPHA ( 6 ) = 10.350 Q(P5F) = 42.905 PO/PSF = 2120.6 RUN NO = 113.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |       |       |
|------|--------|--------|-------|-------|
| .050 | -.2496 | -.0790 | .0589 | .1291 |
| .230 | .1158  | .2836  | .2950 | .1653 |
| .410 | .0852  | .3013  | .2982 | .2306 |
| .590 | .0884  | .2982  | .3085 | .2481 |
| .770 | -.0368 | .2307  | .2847 | .3438 |
| .878 | -.1990 | .0220  | .0694 | .0505 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF22)

BETA ( 5 ) = 10.060 ALPHA ( 1 ) = .030 Q(PSF) = 42.840 PO/PSF = 2120.7 RUN NO = 114.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.8261 | -.5841 | -.5388 | -.5682 |
| .230 | -.0337 | .0441  | .0315  | -.0401 |
| .410 | -.0274 | .0831  | .0536  | -.0090 |
| .590 | -.0210 | .0978  | .0809  | .0030  |
| .770 | -.1379 | .0483  | .0809  | .0999  |
| .878 | -.3168 | -.1473 | -.1158 | -.1368 |

BETA ( 5 ) = 10.060 ALPHA ( 2 ) = 2.090 Q(PSF) = 42.840 PO/PSF = 2120.7 RUN NO = 114.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4874 | -.3453 | -.2947 | -.3802 |
| .230 | -.0274 | .0989  | .0862  | -.0004 |
| .410 | -.0295 | .1304  | .1052  | .0341  |
| .590 | -.0147 | .1420  | .1273  | .0479  |
| .770 | -.1147 | .0852  | .1126  | .1273  |
| .878 | -.2716 | -.1053 | -.0863 | -.1179 |

BETA ( 5 ) = 10.060 ALPHA ( 3 ) = 4.150 Q(PSF) = 42.840 PO/PSF = 2120.7 RUN NO = 114.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2488 | .0136  | .1622  | .0393  |
| .230 | .0052  | .1852  | .1821  | .0773  |
| .410 | -.0137 | .2081  | .1946  | .1205  |
| .590 | -.0010 | .2112  | .2070  | .1292  |
| .770 | -.1086 | .1464  | .1759  | .1873  |
| .878 | -.2593 | -.0601 | -.0422 | -.0622 |

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DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF22)

BETA ( 5 ) = 10.060 ALPHA ( 4 ) = 6.240 Q(PSF) = 42.840 PO/PSF = 2120.7 RUN NO = 114.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |       |        |
|------|--------|--------|-------|--------|
| .050 | -.1349 | .2236  | .3784 | .1378  |
| .230 | .0241  | .2745  | .2980 | .1309  |
| .410 | -.0274 | .2838  | .2880 | .2033  |
| .590 | -.0168 | .2786  | .2859 | .2033  |
| .770 | -.1317 | .2018  | .2454 | .2735  |
| .878 | -.2740 | -.0274 | .0031 | -.0232 |

BETA ( 5 ) = 10.060 ALPHA ( 5 ) = 8.290 Q(PSF) = 42.840 PO/PSF = 2120.7 RUN NO = 114.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |       |       |
|------|--------|--------|-------|-------|
| .050 | -.0505 | .2907  | .4690 | .2167 |
| .230 | .0241  | .3228  | .3539 | .1790 |
| .410 | -.0421 | .3238  | .3446 | .2545 |
| .590 | -.0494 | .3104  | .3373 | .2545 |
| .770 | -.1694 | .2295  | .2907 | .3394 |
| .878 | -.2914 | -.0063 | .0357 | .0315 |

BETA ( 5 ) = 10.060 ALPHA ( 6 ) = 10.370 Q(PSF) = 42.840 PO/PSF = 2120.7 RUN NO = 114.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |       |       |       |
|------|--------|-------|-------|-------|
| .050 | .0998  | .4564 | .5870 | .2939 |
| .230 | .0609  | .3703 | .3994 | .2252 |
| .410 | -.0200 | .3610 | .3859 | .2990 |
| .590 | -.0326 | .3413 | .3734 | .2939 |
| .770 | -.1535 | .2542 | .3175 | .3776 |
| .878 | -.2818 | .0167 | .0567 | .0588 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF23) ( 03 FEB 76 )

## REFERENCE DATA

## PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0405

MACH = .170 ELEVON = 10.000  
 BDFLAP = .000 SPDBRK = 25.000  
 PHI-N = 66.000 THETAN = 108.000  
 PHI-M = 88.000 THETAM = 98.000

BETA ( 1 ) = -10.040 ALPHA ( 1 ) = .110 Q(PSF) = 42.903 PO/PSF = 2117.9 RUN NO = 135.00

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.4568 -.4757 -.1884 -1.0100  
 .230 -.3768 -.4378 -.2515 -.1843  
 .410 -.0979 -.0905 -.1705 -.1522  
 .590 -.0863 -.0758 -.1873 -.2437  
 .770 -.1305 -.1168 -.1894 -.2820  
 .878 -.2568 -.2210 -.2326 -.2357

BETA ( 1 ) = -10.040 ALPHA ( 2 ) = 2.170 Q(PSF) = 42.903 PO/PSF = 2117.9 RUN NO = 135.00

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.3961 -.4161 -.6493 -.8274  
 .230 -.3257 -.3436 -.1376 -.0848  
 .410 -.0378 -.0021 -.0651 -.0882  
 .590 -.0010 -.0052 -.1135 -.1554  
 .770 -.0473 -.0525 -.1145 -.1387  
 .878 -.1828 -.1744 -.1828 -.1450

BETA ( 1 ) = -10.040 ALPHA ( 3 ) = 4.240 Q(PSF) = 42.903 PO/PSF = 2117.9 RUN NO = 135.00

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.3414 -.3435 -.5421 -.6395  
 .230 -.3194 -.2332 -.0515 -.0331  
 .410 .0010 .0892 .0010 -.0210  
 .590 .0692 .0714 -.0305 -.0693  
 .770 .0220 .0115 -.0315 -.0599  
 .878 -.1261 -.1198 -.1208 -.0893

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORS

MAIN GEAR DOOR INNER SURFACE

(RFFF23)

BETA ( 1 ) = -10.040 ALPHA ( 4 ) = 6.300 Q(PSF) = 42.903 PO/PSF = 2117.9 RUN NO = 135.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3881 | -.2714 | -.4428 | -.6921 |
| .230 | -.2582 | -.1451 | -.0799 | -.0573 |
| .410 | .0420  | .1598  | .1083  | .0530  |
| .590 | .1135  | .1630  | .0883  | .0478  |
| .770 | .0746  | .1040  | .0599  | .0041  |
| .878 | -.0841 | -.0505 | -.0589 | -.0452 |

BETA ( 1 ) = -10.040 ALPHA ( 5 ) = 8.370 Q(PSF) = 42.903 PO/PSF = 2117.9 RUN NO = 135.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3480 | -.1977 | -.3396 | -.6781 |
| .230 | -.1051 | -.0620 | -.0063 | .0547  |
| .410 | .1114  | .1910  | .1661  | .0944  |
| .590 | .1692  | .2055  | .1608  | .0875  |
| .770 | .1271  | .1651  | .1608  | .1019  |
| .878 | -.0315 | .0073  | .0230  | .0125  |

BETA ( 1 ) = -10.040 ALPHA ( 6 ) = 10.450 Q(PSF) = 42.903 PO/PSF = 2117.9 RUN NO = 135.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2919 | -.1365 | -.2310 | -.5548 |
| .230 | .0577  | .0419  | .0976  | .1270  |
| .410 | .1824  | .2383  | .2207  | .1597  |
| .590 | .2259  | .2507  | .2259  | .1580  |
| .770 | .1762  | .2187  | .2321  | .1886  |
| .878 | .0157  | .0619  | .0913  | .0808  |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF23)

BETA ( 2 ) = -5.030 ALPHA ( 1 ) = .100 Q(PSF) = 42.937 PO/PSF = 2117.8 RUN NO = 136.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5649 | -.4271 | -.6354 | -.8992 |
| .230 | -.3787 | -.2819 | -.1830 | -.1349 |
| .410 | -.0294 | .0336  | -.0231 | -.0694 |
| .590 | .0357  | .0462  | -.0663 | -.0987 |
| .770 | -.0116 | -.0126 | -.0915 | -.1357 |
| .878 | -.1778 | -.1641 | -.1809 | -.1662 |

BETA ( 2 ) = -5.030 ALPHA ( 2 ) = 2.160 Q(PSF) = 42.937 PO/PSF = 2117.8 RUN NO = 136.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5208 | -.3570 | -.5513 | -.8941 |
| .230 | -.2489 | -.2100 | -.1145 | -.0555 |
| .410 | .0314  | .0703  | .0283  | -.0296 |
| .590 | .0839  | .0913  | .0041  | -.0486 |
| .770 | .0325  | .0545  | .0220  | -.0514 |
| .878 | -.1439 | -.1039 | -.0850 | -.1397 |

BETA ( 2 ) = -5.030 ALPHA ( 3 ) = 4.260 Q(PSF) = 42.937 PO/PSF = 2117.8 RUN NO = 136.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4651 | -.2961 | -.4546 | -.7769 |
| .230 | -.0777 | -.1207 | -.0367 | .0099  |
| .410 | .1018  | .1133  | .0902  | .0185  |
| .590 | .1322  | .1354  | .0881  | .0099  |
| .770 | .0724  | .1070  | .1144  | .0335  |
| .878 | -.1102 | -.0535 | -.0010 | -.0661 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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CA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF23)

BETA ( 2 ) = -5.030 ALPHA ( 4 ) = 6.290 Q(PSF) = 42.937 PO/PSF = 2117.8 RUN NO = 136.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3975 | -.2345 | -.3534 | -.7972 |
| .230 | .0672  | -.0158 | .0725  | .0444  |
| .410 | .1514  | .1608  | .1450  | .0806  |
| .590 | .1734  | .1807  | .1566  | .0806  |
| .770 | .1030  | .1535  | .1807  | .1219  |
| .878 | -.0873 | -.0105 | .0546  | .0188  |

BETA ( 2 ) = -5.030 ALPHA ( 5 ) = 8.390 Q(PSF) = 42.937 PO/PSF = 2117.8 RUN NO = 136.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3384 | -.1871 | -.2638 | -.6466 |
| .230 | .1607  | .1155  | .1554  | .0616  |
| .410 | .1898  | .2106  | .1971  | .1374  |
| .590 | .2095  | .2271  | .2199  | .1478  |
| .770 | .1313  | .1992  | .2468  | .2364  |
| .878 | -.0630 | .0325  | .1071  | .0955  |

BETA ( 2 ) = -5.030 ALPHA ( 6 ) = 10.460 Q(PSF) = 42.937 PO/PSF = 2117.8 RUN NO = 136.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2683 | -.1446 | -.1886 | -.5933 |
| .230 | .2100  | .2162  | .2234  | .1250  |
| .410 | .2234  | .2533  | .2368  | .1885  |
| .590 | .2420  | .2730  | .2709  | .2039  |
| .770 | .1561  | .2379  | .2947  | .3194  |
| .878 | -.0367 | .0691  | .1424  | .1582  |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

PAGE 1279

OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF23)

BETA ( 3 ) = -.010 ALPHA ( 1 ) = .090 Q(PSF) = 42.953 PO/PSF = 2117.8 RUN NO = 137.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5613 | -.4071 | -.5865 | -.9072 |
| .230 | -.0860 | -.1658 | -.0105 | -.0537 |
| .410 | .0324  | .0555  | .0251  | -.0399 |
| .590 | .0503  | .0755  | .0272  | -.0503 |
| .770 | -.0378 | .0524  | .0702  | -.0126 |
| .878 | -.2424 | -.1144 | -.0409 | -.1123 |

BETA ( 3 ) = -.010 ALPHA ( 2 ) = 2 160 Q(PSF) = 42.953 PO/PSF = 2117.8 RUN NO = 137.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4905 | -.3729 | -.4905 | -.9857 |
| .230 | .0335  | -.0336 | .0713  | -.0520 |
| .410 | .0640  | .1018  | .0808  | .0168  |
| .590 | .0755  | .1218  | .1050  | .0185  |
| .770 | -.0199 | .0976  | .1396  | .0776  |
| .878 | -.2321 | -.0830 | .0073  | -.0536 |

BETA ( 3 ) = -.010 ALPHA ( 3 ) = 4.220 Q(PSF) = 42.953 PO/PSF = 2117.8 RUN NO = 137.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4438 | -.3672 | -.4102 | -.8778 |
| .230 | .0985  | .1132  | .1206  | -.0124 |
| .410 | .0849  | .1457  | .1248  | .0684  |
| .590 | .1027  | .1699  | .1625  | .0752  |
| .770 | -.0021 | .1436  | .1988  | .1802  |
| .878 | -.2119 | -.0441 | .0461  | -.0010 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF23)

BETA ( 3 ) = -.010 ALPHA ( 4 ) = 6.300 Q(PSF) = 42.953 PO/PSF = 2117.8 RUN NO = 137.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4174 | -.3428 | -.3102 | -.7297 |
| .230 | .1198  | .1723  | .1650  | .0478  |
| .410 | .1124  | .1910  | .1723  | .1168  |
| .590 | .1282  | .2138  | .2138  | .1375  |
| .770 | .0146  | .1795  | .2459  | .2635  |
| .878 | -.1935 | -.0116 | .0777  | .0819  |

BETA ( 3 ) = -.010 ALPHA ( 5 ) = 8.380 Q(PSF) = 42.953 PO/PSF = 2117.8 RUN NO = 137.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3481 | -.2947 | -.2422 | -.5042 |
| .230 | .1383  | .2060  | .2070  | .1062  |
| .410 | .1383  | .2328  | .2246  | .1766  |
| .590 | .1551  | .2545  | .2587  | .1972  |
| .770 | .0408  | .2184  | .2804  | .3093  |
| .878 | -.1562 | .0282  | .1048  | .0796  |

BETA ( 3 ) = -.010 ALPHA ( 6 ) = 10.450 Q(PSF) = 42.953 PO/PSF = 2117.8 RUN NO = 137.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3290 | -.2313 | -.1840 | -.3176 |
| .230 | .1660  | .2448  | .2479  | .1633  |
| .410 | .1629  | .2738  | .2676  | .2165  |
| .590 | .1775  | .2904  | .2987  | .2440  |
| .770 | .0609  | .2479  | .3132  | .3578  |
| .878 | -.1240 | .0630  | .1282  | .0840  |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF23)

BETA ( 4 ) = 5.030 ALPHA ( 1 ) = .110 Q(PSF) = 42.938 PO/PSF = 2117.8 RUN NO = 138.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6548 | -.5194 | -.4848 | -.9727 |
| .230 | -.0157 | .0755  | .0692  | -.0468 |
| .410 | -.0231 | .0902  | .0681  | .0081  |
| .590 | -.0052 | .1153  | .1059  | .0081  |
| .770 | -.1217 | .0860  | .1437  | .1185  |
| .878 | -.3306 | -.1102 | -.0147 | -.0881 |

BETA ( 4 ) = 5.030 ALPHA ( 2 ) = 2.160 Q(PSF) = 42.938 PO/PSF = 2117.8 RUN NO = 138.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6634 | -.4870 | -.4146 | -.8369 |
| .230 | -.0031 | .0996  | .0975  | -.0262 |
| .410 | .0000  | .1280  | .1049  | .0391  |
| .590 | .0199  | .1469  | .1437  | .0581  |
| .770 | -.0976 | .1070  | .1595  | .1782  |
| .878 | -.2897 | -.0903 | -.0304 | -.0556 |

BETA ( 4 ) = 5.030 ALPHA ( 3 ) = 4.210 Q(PSF) = 42.938 PO/PSF = 2117.8 RUN NO = 138.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5894 | -.4633 | -.4181 | -.4173 |
| .230 | .0188  | .1365  | .1354  | .0512  |
| .410 | .0783  | .1722  | .1554  | .0995  |
| .590 | .0482  | .1867  | .1836  | .1115  |
| .770 | -.0662 | .1407  | .1846  | .2053  |
| .878 | -.2490 | -.0557 | -.0168 | -.0431 |

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DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF23)

BETA ( 4 ) = 5.030 ALPHA ( 4 ) = 6.310 Q(PSF) = 42.938 PO/PSF = 2117.8 RUN NO = 138.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5218 | -.3471 | -.2062 | -.0418 |
| .230 | .0588  | .1900  | .1921  | .0944  |
| .410 | .0588  | .2222  | .2108  | .1479  |
| .590 | .0788  | .2315  | .2305  | .1669  |
| .770 | -.0358 | .1755  | .2201  | .2553  |
| .878 | -.2125 | -.0231 | .0157  | -.0074 |

BETA ( 4 ) = 5.040 ALPHA ( 5 ) = 8.380 Q(PSF) = 42.938 PO/PSF = 2117.8 RUN NO = 138.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |       |        |
|------|--------|--------|-------|--------|
| .050 | -.3803 | -.2038 | .0083 | .1098  |
| .230 | .1029  | .2467  | .2602 | .1529  |
| .410 | .0861  | .2726  | .2705 | .2061  |
| .590 | .0955  | .2768  | .2830 | .2233  |
| .770 | -.0210 | .2177  | .2664 | .3068  |
| .878 | -.1912 | .0157  | .0587 | -.0346 |

BETA ( 4 ) = 5.040 ALPHA ( 6 ) = 10.440 Q(PSF) = 42.938 PO/PSF = 2117.8 RUN NO = 138.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |       |       |
|------|--------|--------|-------|-------|
| .050 | -.2037 | -.0325 | .1070 | .1545 |
| .230 | .1291  | .2973  | .3128 | .1769 |
| .410 | .0976  | .3128  | .3180 | .2437 |
| .590 | .1007  | .3108  | .3211 | .2557 |
| .770 | -.0147 | .2466  | .2973 | .3553 |
| .878 | -.1659 | .0451  | .0850 | .0787 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF23)

BETA ( 5 ) = 10.060 ALPHA ( 1 ) = .120 Q(PSF) = 42.865 PO/PSF = 2117.9 RUN NO = 139.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7914 | -.5575 | -.5111 | -.5326 |
| .230 | -.0253 | .0568  | .0442  | -.0297 |
| .410 | -.0200 | .0948  | .0653  | .0030  |
| .590 | -.0084 | .1106  | .0969  | .0151  |
| .770 | -.1233 | .0642  | .0969  | .1148  |
| .878 | -.2930 | -.1243 | -.0938 | -.1191 |

BETA ( 5 ) = 10.060 ALPHA ( 2 ) = 2.180 Q(PSF) = 42.865 PO/PSF = 2117.9 RUN NO = 139.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4429 | -.2756 | -.2472 | -.3092 |
| .230 | -.0189 | .1146  | .1030  | .0151  |
| .410 | -.0200 | .1462  | .1220  | .0548  |
| .590 | -.0031 | .1525  | .1419  | .0617  |
| .770 | -.0978 | .1009  | .1272  | .1409  |
| .878 | -.2451 | -.0852 | -.0663 | -.0915 |

BETA ( 5 ) = 10.060 ALPHA ( 3 ) = 4.210 Q(PSF) = 42.865 PO/PSF = 2117.9 RUN NO = 139.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2110 | .0661  | .2073  | .0805  |
| .230 | .0125  | .2042  | .2021  | .0942  |
| .410 | -.0052 | .2259  | .2114  | .1373  |
| .590 | .0104  | .2259  | .2217  | .1390  |
| .770 | -.0882 | .1648  | .1917  | .2093  |
| .878 | -.2299 | -.0399 | -.0189 | -.0388 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF23)

BETA ( 5 ) = 10.060 ALPHA ( 4 ) = 6.320 Q(PSF) = 42.885 PO/PSF = 2117.9 RUN NO = 139.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |       |        |
|------|--------|--------|-------|--------|
| .050 | -.1094 | .2585  | .4172 | .1479  |
| .230 | .0346  | .2896  | .3052 | .1445  |
| .410 | -.0179 | .2989  | .3052 | .2184  |
| .590 | -.0084 | .2938  | .3021 | .2184  |
| .770 | -.1147 | .2181  | .2606 | .2886  |
| .878 | -.2472 | -.0074 | .0241 | -.0010 |

BETA ( 5 ) = 10.060 ALPHA ( 5 ) = 8.360 Q(PSF) = 42.885 PO/PSF = 2117.9 RUN NO = 139.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |       |       |       |
|------|--------|-------|-------|-------|
| .050 | -.0073 | .3319 | .4957 | .2355 |
| .230 | .0378  | .3381 | .3672 | .1908 |
| .410 | -.0305 | .3361 | .3589 | .2698 |
| .590 | -.0336 | .3226 | .3516 | .2646 |
| .770 | -.1451 | .2438 | .3029 | .3547 |
| .878 | -.2650 | .0136 | .0556 | .0514 |

BETA ( 5 ) = 10.060 ALPHA ( 6 ) = 10.450 Q(PSF) = 42.885 PO/PSF = 2117.9 RUN NO = 139.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |       |       |       |
|------|--------|-------|-------|-------|
| .050 | .1439  | .4922 | .6134 | .3090 |
| .230 | .0766  | .3855 | .4176 | .2387 |
| .410 | -.0063 | .3742 | .4000 | .3107 |
| .590 | -.0200 | .3545 | .3876 | .3022 |
| .770 | -.1397 | .2696 | .3317 | .3887 |
| .878 | -.2564 | .0377 | .0756 | .0745 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF24) ( 03 FEB 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0405

## PARAMETRIC DATA

MACH = .170 ELEVON = 10.000  
 BDFLAP = -11.700 SPDBRK = 85.000  
 PHI-N = 66.000 THETAN = 108.000  
 PHI-M = 88.000 THETAM = 96.000

BETA ( 1 ) = -10.030 ALPHA ( 1 ) = .080 Q(PSF) = 42.995 PO/PSF = 2125.0 RUN NO = 140.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.4712 -.4912 -.7620 -1.0296  
 .230 -.3915 -.4461 -.2519 -.1759  
 .410 -.1123 -.1039 -.1553 -.1656  
 .590 -.1039 -.0986 -.2057 -.2654  
 .770 -.1459 -.1343 -.2026 -.2288  
 .878 -.2771 -.2361 -.2466 -.2162

BETA ( 1 ) = -10.030 ALPHA ( 2 ) = 2.140 Q(PSF) = 42.995 PO/PSF = 2125.0 RUN NO = 140.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.4139 -.4296 -.6723 -.8496  
 .230 -.3503 -.3529 -.1523 -.0951  
 .410 -.0525 -.0178 -.0767 -.1003  
 .590 -.0168 -.0168 -.1260 -.1743  
 .770 -.0641 -.0683 -.1281 -.1534  
 .878 -.1996 -.1901 -.1985 -.1607

BETA ( 1 ) = -10.040 ALPHA ( 3 ) = 4.190 Q(PSF) = 42.995 PO/PSF = 2125.0 RUN NO = 140.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.3608 -.3608 -.5579 -.6470  
 .230 -.3303 -.2538 -.0577 -.0382  
 .410 -.0021 .0744 -.0094 -.0279  
 .590 .0576 .0576 -.0472 -.0863  
 .770 .0083 -.0010 -.0451 -.0724  
 .878 -.1416 -.1374 -.1374 -.1017

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF24)

BETA ( 1 ) = -10.030    ALPHA ( 4 ) = 6.280    Q(PSF) = 42.995    PO/PSF = 2125.0    RUN NO = 140.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML        .0760    .3100    .5820    .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4008 | -.2865 | -.4544 | -.6835 |
| .230 | -.2749 | -.1542 | -.0902 | -.0640 |
| .410 | .0314  | .1531  | .0965  | .0391  |
| .590 | .1048  | .1531  | .0797  | .0288  |
| .770 | .0650  | .0923  | .0513  | -.0094 |
| .878 | -.0976 | -.0650 | -.0766 | -.0598 |

BETA ( 1 ) = -10.040    ALPHA ( 5 ) = 8.380    Q(PSF) = 42.995    PO/PSF = 2125.0    RUN NO = 140.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML        .0760    .3100    .5820    .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3570 | -.2104 | -.3496 | -.6939 |
| .230 | -.1026 | -.0701 | -.0136 | .0442  |
| .410 | .1025  | .1839  | .1559  | .0888  |
| .590 | .1580  | .1974  | .1507  | .0802  |
| .770 | .1161  | .1590  | .1496  | .0952  |
| .878 | -.0450 | -.0031 | .0072  | .0010  |

BETA ( 1 ) = -10.040    ALPHA ( 6 ) = 10.420    Q(PSF) = 42.995    PO/PSF = 2125.0    RUN NO = 140.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML        .0760    .3100    .5820    .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3053 | -.1458 | -.2434 | -.5612 |
| .230 | .0576  | .0366  | .0796  | .1165  |
| .410 | .1719  | .2350  | .2133  | .1509  |
| .590 | .2185  | .2433  | .2185  | .1492  |
| .770 | .1678  | .2112  | .2195  | .1802  |
| .878 | .0062  | .0503  | .0796  | .0702  |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF24)

BETA ( 2 ) = -5.020 ALPHA ( 1 ) = .080 Q(PSF) = 42.977 PO/PSF = 2124.8 RUN NO = 141.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5757 | -.4394 | -.6491 | -.8981 |
| .230 | -.3985 | -.2978 | -.1982 | -.1534 |
| .410 | -.0419 | .0293  | -.0346 | -.0760 |
| .590 | .0251  | .0377  | -.0786 | -.1087 |
| .770 | -.0231 | -.0241 | -.1028 | -.1447 |
| .878 | -.1909 | -.1793 | -.1951 | -.1804 |

BETA ( 2 ) = -5.020 ALPHA ( 2 ) = 2.140 Q(PSF) = 42.977 PO/PSF = 2124.8 RUN NO = 141.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5430 | -.3729 | -.5703 | -.9081 |
| .230 | -.2636 | -.2206 | -.1250 | -.0675 |
| .410 | .0209  | .0619  | .0178  | -.0434 |
| .590 | .0724  | .0829  | -.0084 | -.0606 |
| .770 | .0209  | .0409  | .0083  | -.0651 |
| .878 | -.1575 | -.1187 | -.0998 | -.1491 |

BETA ( 2 ) = -5.030 ALPHA ( 3 ) = 4.200 Q(PSF) = 42.977 PO/PSF = 2124.8 RUN NO = 141.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4874 | -.3099 | -.4717 | -.8083 |
| .230 | -.0914 | -.1313 | -.0483 | -.0004 |
| .410 | .0871  | .1008  | .0787  | .0047  |
| .590 | .1197  | .1239  | .0745  | -.0038 |
| .770 | .0608  | .0913  | .0976  | .0199  |
| .878 | -.1250 | -.0683 | -.0199 | -.0914 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF24)

BETA ( 2 ) = -5.030 ALPHA ( 4 ) = 6.260 Q(PSF) = 42.977 PO/PSF = 2124.8 RUN NO = 141.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4089 | -.2485 | -.3732 | -.8102 |
| .230 | .0534  | -.0293 | .0555  | .0374  |
| .410 | .1425  | .1530  | .1362  | .0700  |
| .590 | .1656  | .1708  | .1446  | .0700  |
| .770 | .0922  | .1425  | .1677  | .1100  |
| .878 | -.0964 | -.0231 | .0408  | .0020  |

BETA ( 2 ) = -5.030 ALPHA ( 5 ) = 8.330 Q(PSF) = 42.977 PO/PSF = 2124.8 RUN NO = 141.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3493 | -.1941 | -.2801 | -.6352 |
| .230 | .1478  | .0922  | .1447  | .0563  |
| .410 | .1812  | .1998  | .1854  | .1286  |
| .590 | .1998  | .2164  | .2091  | .1372  |
| .770 | .1206  | .1885  | .2319  | .2226  |
| .878 | -.0713 | .0188  | .0933  | .0838  |

BETA ( 2 ) = -5.030 ALPHA ( 6 ) = 10.420 Q(PSF) = 42.977 PO/PSF = 2124.8 RUN NO = 141.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2803 | -.1532 | -.2005 | -.6149 |
| .230 | .2020  | .2041  | .2155  | .1149  |
| .410 | .2186  | .2445  | .2279  | .1820  |
| .590 | .2341  | .2651  | .2620  | .1940  |
| .770 | .1469  | .2320  | .2879  | .3086  |
| .878 | -.0483 | .0545  | .1311  | .1532  |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF24)

BETA ( 3 ) = .010 ALPHA ( 1 ) = .070 Q(PSF) = 42.998 PO/PSF = 2124.8 RUN NO = 142.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5782 | -.4187 | -.6002 | -.8917 |
| .230 | -.0965 | -.1752 | -.0252 | -.0649 |
| .410 | .0261  | .0440  | .0146  | -.0503 |
| .590 | .0429  | .0639  | .0188  | -.0640 |
| .770 | -.0483 | .0419  | .0597  | -.0294 |
| .878 | -.2550 | -.1291 | -.0514 | -.1259 |

BETA ( 3 ) = .010 ALPHA ( 2 ) = 2.130 Q(PSF) = 42.998 PO/PSF = 2124.8 RUN NO = 142.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |         |
|------|--------|--------|--------|---------|
| .050 | -.5065 | -.3817 | -.5033 | -1.0184 |
| .230 | .0177  | -.0493 | .0576  | -.0571  |
| .410 | .0544  | .0922  | .0691  | .0064   |
| .590 | .0691  | .1121  | .0932  | .0081   |
| .770 | -.0304 | .0880  | .1269  | .0639   |
| .878 | -.2412 | -.0954 | -.0063 | -.0692  |

BETA ( 3 ) = .000 ALPHA ( 3 ) = 4.180 Q(PSF) = 42.998 PO/PSF = 2124.8 RUN NO = 142.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4541 | -.3775 | -.4237 | -.8843 |
| .230 | .0911  | .0985  | .1079  | -.0244 |
| .410 | .0796  | .1383  | .1174  | .0580  |
| .590 | .0953  | .1614  | .1520  | .0632  |
| .770 | -.0115 | .1331  | .1874  | .1656  |
| .878 | -.2276 | -.0598 | .0335  | -.0136 |



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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF24)

BETA ( 3 ) = .010 ALPHA ( 4 ) = 6.280 Q(PSF) = 42.998 PO/PSF = 2124.8 RUN NO = 142.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4312 | -.3525 | -.3252 | -.7625 |
| .230 | .1132  | .1657  | .1573  | .0340  |
| .410 | .1059  | .1823  | .1646  | .1045  |
| .590 | .1206  | .2050  | .2019  | .1217  |
| .770 | .0062  | .1688  | .2350  | .2536  |
| .878 | -.2046 | -.0252 | .0681  | .0765  |

BETA ( 3 ) = .010 ALPHA ( 5 ) = 8.360 Q(PSF) = 42.998 PO/PSF = 2124.8 RUN NO = 142.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3595 | -.3061 | -.2526 | -.5281 |
| .230 | .1320  | .1987  | .1987  | .0924  |
| .410 | .1330  | .2255  | .2141  | .1646  |
| .590 | .1488  | .2451  | .2503  | .1851  |
| .770 | .0324  | .2069  | .2720  | .2978  |
| .878 | -.1677 | .0167  | .0953  | .0712  |

BETA ( 3 ) = .000 ALPHA ( 6 ) = 10.420 Q(PSF) = 42.998 PO/PSF = 2124.8 RUN NO = 142.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3338 | -.2425 | -.1942 | -.3395 |
| .230 | .1616  | .2392  | .2414  | .1579  |
| .410 | .1563  | .2662  | .2600  | .2094  |
| .590 | .1700  | .2838  | .2900  | .2334  |
| .770 | .0534  | .2403  | .3065  | .3479  |
| .878 | -.1344 | .0513  | .1196  | .0775  |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF24)

BETA ( 4 ) = 5.060 ALPHA ( 1 ) = .080 Q(PSF) = 42.985 PO/PSF = 2124.8 RUN NO = 143.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6522 | -.5327 | -.5012 | -.9891 |
| .230 | -.0189 | .0670  | .0597  | -.0623 |
| .410 | -.0283 | .0817  | .0586  | .0013  |
| .590 | -.0105 | .1048  | .0953  | -.0021 |
| .770 | -.1321 | .0765  | .1341  | .1058  |
| .878 | -.3429 | -.1216 | -.0262 | -.1059 |

BETA ( 4 ) = 5.050 ALPHA ( 2 ) = 2.120 Q(PSF) = 42.985 PO/PSF = 2124.8 RUN NO = 143.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6658 | -.4949 | -.4194 | -.8756 |
| .230 | -.0115 | .0911  | .0890  | -.0365 |
| .410 | -.0073 | .1184  | .0985  | .0271  |
| .590 | .0114  | .1404  | .1362  | .0443  |
| .770 | -.1059 | .0985  | .1519  | .1698  |
| .878 | -.3041 | -.1027 | -.0388 | -.0545 |

BETA ( 4 ) = 5.050 ALPHA ( 3 ) = 4.200 Q(PSF) = 42.985 PO/PSF = 2124.8 RUN NO = 143.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6104 | -.4793 | -.4395 | -.4717 |
| .230 | .0146  | .1268  | .1258  | .0477  |
| .410 | .0219  | .1535  | .1468  | .0890  |
| .590 | .0408  | .1791  | .1771  | .1062  |
| .770 | -.0745 | .1321  | .1750  | .1977  |
| .878 | -.2591 | -.0671 | -.0273 | -.0514 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF24)

BETA ( 4 ) = 5.050 ALPHA ( 4 ) = 6.280 Q(PSF) = 42.985 PO/PSF = 2124.8 RUN NO = 143.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5339 | -.3671 | -.2465 | -.0778 |
| .230 | .0513  | .1802  | .1823  | .0856  |
| .410 | .0534  | .2122  | .2009  | .1389  |
| .590 | .0681  | .2205  | .2226  | .1561  |
| .770 | -.0451 | .1667  | .2112  | .2464  |
| .878 | -.2245 | -.0336 | .0041  | -.0220 |

BETA ( 4 ) = 5.050 ALPHA ( 5 ) = 8.350 Q(PSF) = 42.985 PO/PSF = 2124.8 RUN NO = 143.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |       |
|------|--------|--------|--------|-------|
| .050 | -.3909 | -.2165 | -.0147 | .1012 |
| .230 | .0955  | .2395  | .2520  | .1409 |
| .410 | .0819  | .2644  | .2634  | .1976 |
| .590 | .0903  | .2696  | .2779  | .2130 |
| .770 | -.0305 | .2095  | .2602  | .3017 |
| .878 | -.2017 | .0041  | .0493  | .0293 |

BETA ( 4 ) = 5.050 ALPHA ( 6 ) = 10.460 Q(PSF) = 42.985 PO/PSF = 2124.8 RUN NO = 143.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |       |       |
|------|--------|--------|-------|-------|
| .050 | -.2141 | -.0483 | .0933 | .1475 |
| .230 | .1227  | .2919  | .3044 | .1716 |
| .410 | .0891  | .3085  | .3085 | .2367 |
| .590 | .0944  | .3044  | .3168 | .2504 |
| .770 | -.0210 | .2402  | .2930 | .3509 |
| .878 | -.1784 | .0356  | .0776 | .0681 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF24)

BETA ( 5 ) = 10.090 ALPHA ( 1 ) = .080 Q(PSF) = 42.970 PO/PSF = 2125.0 RUN NO = 144.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.8081 | -.5800 | -.5317 | -.5621 |
| .230 | -.0315 | .0472  | .0356  | -.0348 |
| .410 | -.0242 | .0871  | .0556  | -.0073 |
| .590 | -.0158 | .1008  | .0871  | .0064  |
| .770 | -.1324 | .0535  | .0871  | .1039  |
| .878 | -.3079 | -.1366 | -.1040 | -.1324 |

BETA ( 5 ) = 10.090 ALPHA ( 2 ) = 2.150 Q(PSF) = 42.970 PO/PSF = 2125.0 RUN NO = 144.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4853 | -.3257 | -.2868 | -.3587 |
| .230 | -.0242 | .1018  | .0934  | .0064  |
| .410 | -.0273 | .1354  | .1134  | .0409  |
| .590 | -.0105 | .1459  | .1323  | .0529  |
| .770 | -.1082 | .0913  | .1176  | .1333  |
| .878 | -.2626 | -.0977 | -.0777 | -.1050 |

BETA ( 5 ) = 10.090 ALPHA ( 3 ) = 4.230 Q(PSF) = 42.970 PO/PSF = 2125.0 RUN NO = 144.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2246 | .0535  | .1844  | .0581  |
| .230 | .0073  | .1917  | .1865  | .0822  |
| .410 | -.0126 | .2144  | .2020  | .1235  |
| .590 | .0020  | .2155  | .2113  | .1269  |
| .770 | -.0997 | .1553  | .1803  | .1948  |
| .878 | -.2446 | -.0514 | -.0294 | -.0483 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF24)

BETA ( 5 ) = 10.100 ALPHA ( 4 ) = 6.290 Q(PSF) = 42.970 PO/PSF = 2125.0 RUN NO = 144.00

SECTION ( 1 ) MAIN LND GR DR-I DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |       |        |
|------|--------|--------|-------|--------|
| .050 | -.1249 | .2464  | .3953 | .1406  |
| .230 | .0282  | .2837  | .2940 | .1406  |
| .410 | -.0241 | .2899  | .2940 | .2093  |
| .590 | -.0147 | .2826  | .2940 | .2076  |
| .770 | -.1207 | .2071  | .2537 | .2806  |
| .878 | -.2592 | -.0210 | .0094 | -.0147 |

BETA ( 5 ) = 10.100 ALPHA ( 5 ) = 8.360 Q(PSF) = 42.970 PO/PSF = 2125.0 RUN NO = 144.00

SECTION ( 1 ) MAIN LND GR DR-I DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |       |       |       |
|------|--------|-------|-------|-------|
| .050 | -.0262 | .3112 | .4878 | .2261 |
| .230 | .0303  | .3318 | .3607 | .1834 |
| .410 | -.0356 | .3308 | .3525 | .2569 |
| .590 | -.0409 | .3174 | .3442 | .2586 |
| .770 | -.1572 | .2378 | .2957 | .3473 |
| .878 | -.2777 | .0052 | .0460 | .0492 |

BETA ( 5 ) = 10.090 ALPHA ( 6 ) = 10.430 Q(PSF) = 42.970 PO/PSF = 2125.0 RUN NO = 144.00

SECTION ( 1 ) MAIN LND GR DR-I DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |       |       |       |
|------|--------|-------|-------|-------|
| .050 | .1300  | .4823 | .6053 | .2984 |
| .230 | .0692  | .3768 | .4078 | .2299 |
| .410 | -.0136 | .3654 | .3912 | .3018 |
| .590 | -.0283 | .3478 | .3788 | .2932 |
| .770 | -.1490 | .2609 | .3220 | .3830 |
| .878 | -.2644 | .0303 | .0692 | .0702 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF25) ( 03 FEB 76 )

## REFERENCE DATA

## PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0405

MACH = .170 ELEVON = .000  
 BDFLAP = 15.000 SPDBRK = 25.000  
 PHI-N = 66.000 THETAN = 108.000  
 PHI-M = 88.000 THETAM = 98.000

BETA ( 1 ) = -10.040 ALPHA ( 1 ) = .040 Q(PSF) = 42.923 PO/PSF = 2117.9 RUN NO = 129.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.4883 -.5040 -.7812 -1.0749  
 .230 -.4158 -.4662 -.2793 -.1932  
 .410 -.1302 -.1228 -.1711 -.1812  
 .590 -.1186 -.1197 -.2142 -.2810  
 .770 -.1606 -.1491 -.2173 -.2446  
 .878 -.2972 -.2530 -.2646 -.2341

BETA ( 1 ) = -10.030 ALPHA ( 2 ) = 2.120 Q(PSF) = 42.923 PO/PSF = 2117.9 RUN NO = 129.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.4230 -.4462 -.6851 -.8943  
 .230 -.3599 -.3683 -.1736 -.1074  
 .410 -.0663 -.0305 -.0894 -.1108  
 .590 -.0263 -.0284 -.1336 -.1850  
 .770 -.0737 -.0800 -.1494 -.1705  
 .878 -.2178 -.2062 -.2105 -.1747

BETA ( 1 ) = -10.040 ALPHA ( 3 ) = 4.160 Q(PSF) = 42.923 PO/PSF = 2117.9 RUN NO = 129.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.3720 -.3741 -.5748 -.6896  
 .230 -.3341 -.2784 -.0704 -.0417  
 .410 -.0168 .0546 -.0189 -.0434  
 .590 .0440 .0409 -.0651 -.0986  
 .770 -.0094 -.0179 -.0651 -.0904  
 .878 -.1608 -.1545 -.1555 -.1187

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF25)

BETA ( 1 ) = -10.040    ALPHA ( 4 ) = 6.260    Q(PSF) = 42.923    PO/PSF = 2117.9    RUN NO = 129.00

SECTION ( 1 ) MAIN LND GR DR-1    DEPENDENT VARIABLE CP

Y/BML    .0760    .3100    .5820    .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4137 | -.3021 | -.4768 | -.6908 |
| .230 | -.3042 | -.1716 | -.1042 | -.0849 |
| .410 | .0146  | .1431  | .0894  | .0306  |
| .590 | .0925  | .1431  | .0641  | .0185  |
| .770 | .0515  | .0746  | .0336  | -.0210 |
| .878 | -.1126 | -.0831 | -.0958 | -.0758 |

BETA ( 1 ) = -10.030    ALPHA ( 5 ) = 8.300    Q(PSF) = 42.923    PO/PSF = 2117.9    RUN NO = 129.00

SECTION ( 1 ) MAIN LND GR DR-1    DEPENDENT VARIABLE CP

Y/BML    .0760    .3100    .5820    .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3686 | -.2268 | -.3717 | -.7288 |
| .230 | -.1449 | -.0913 | -.0325 | .0237  |
| .410 | .0871  | .1762  | .1490  | .0788  |
| .590 | .1448  | .1835  | .1343  | .0667  |
| .770 | .0986  | .1427  | .1333  | .0734  |
| .878 | -.0661 | -.0220 | -.0105 | -.0126 |

BETA ( 1 ) = -10.030    ALPHA ( 6 ) = 10.400    Q(PSF) = 42.923    PO/PSF = 2117.9    RUN NO = 129.00

SECTION ( 1 ) MAIN LND GR DR-1    DEPENDENT VARIABLE CP

Y/BML    .0760    .3100    .5820    .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3178 | -.1646 | -.2674 | -.5799 |
| .230 | .0293  | .0125  | .0649  | .1027  |
| .410 | .1551  | .2184  | .1988  | .1320  |
| .590 | .2019  | .2318  | .2039  | .1303  |
| .770 | .1520  | .1936  | .2050  | .1604  |
| .878 | -.0147 | .0335  | .0555  | .0408  |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF25)

BETA ( 2 ) = -5.020 ALPHA ( 1 ) = .040 Q(PSF) = 42.925 PO/PSF = 2117.8 RUN NO = 128.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5921 | -.4532 | -.6678 | -.9230 |
| .230 | -.4175 | -.3113 | -.2124 | -.1780 |
| .410 | -.0536 | .0188  | -.0410 | -.0849 |
| .590 | .0146  | .0283  | -.0936 | -.1211 |
| .770 | -.0357 | -.0410 | -.1188 | -.1556 |
| .878 | -.2061 | -.1977 | -.2187 | -.1966 |

BETA ( 2 ) = -5.020 ALPHA ( 2 ) = 2.090 Q(PSF) = 42.925 PO/PSF = 2117.8 RUN NO = 128.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5374 | -.3859 | -.5889 | -.8816 |
| .230 | -.2892 | -.2313 | -.1230 | -.0883 |
| .410 | .0125  | .0556  | .0073  | -.0555 |
| .590 | .0609  | .0714  | -.0210 | -.0693 |
| .770 | .0083  | .0209  | -.0284 | -.0999 |
| .878 | -.1725 | -.1409 | -.1346 | -.1567 |

BETA ( 2 ) = -5.020 ALPHA ( 3 ) = 4.150 Q(PSF) = 42.925 PO/PSF = 2117.8 RUN NO = 128.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4977 | -.3213 | -.4862 | -.8286 |
| .230 | -.1176 | -.1543 | -.0630 | -.0072 |
| .410 | .0745  | .0944  | .0724  | -.0055 |
| .590 | .1102  | .1123  | .0629  | -.0141 |
| .770 | .0493  | .0808  | .0829  | .0041  |
| .878 | -.1407 | -.0840 | -.0409 | -.1113 |

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DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF25)

BETA ( 2 ) = -5.020 ALPHA ( 4 ) = 6.200 Q(PSF) = 42.925 PO/PSF = 2117.8 RUN NO = 128.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4255 | -.2585 | -.3930 | -.8068 |
| .230 | .0335  | -.0473 | .0388  | .0340  |
| .410 | .1292  | .1407  | .1250  | .0530  |
| .590 | .1544  | .1607  | .1292  | .0495  |
| .770 | .0808  | .1302  | .1512  | .0913  |
| .878 | -.1166 | -.0399 | .0230  | -.0231 |

BETA ( 2 ) = -5.020 ALPHA ( 5 ) = 8.300 Q(PSF) = 42.925 PO/PSF = 2117.8 RUN NO = 128.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3618 | -.2061 | -.2955 | -.6437 |
| .230 | .1335  | .0683  | .1272  | .0461  |
| .410 | .1724  | .1900  | .1755  | .1099  |
| .590 | .1900  | .2055  | .1962  | .1186  |
| .770 | .1082  | .1745  | .2221  | .2045  |
| .878 | -.0915 | .0000  | .0767  | .0651  |

BETA ( 2 ) = -5.030 ALPHA ( 6 ) = 10.360 Q(PSF) = 42.925 PO/PSF = 2117.8 RUN NO = 128.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3019 | -.1688 | -.2201 | -.8348 |
| .230 | .1904  | .1863  | .2007  | .1027  |
| .410 | .2049  | .2328  | .2162  | .1749  |
| .590 | .2204  | .2514  | .2472  | .1817  |
| .770 | .1310  | .2152  | .2700  | .2906  |
| .878 | -.0692 | .0345  | .1152  | .1331  |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF25)

BETA ( 3 ) = .000 ALPHA ( 1 ) = .010 Q(PSF) = 42.953 PO/PSF = 2117.8 RUN NO = 127.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5942 | -.4273 | -.6173 | -.9025 |
| .230 | -.1197 | -.2005 | -.0378 | -.0709 |
| .410 | .0157  | .0367  | .0041  | -.0606 |
| .590 | .0335  | .0556  | .0031  | -.0709 |
| .770 | -.0577 | .0314  | .0440  | -.0441 |
| .878 | -.2668 | -.1428 | -.0703 | -.1491 |

BETA ( 3 ) = .000 ALPHA ( 2 ) = 2.100 Q(PSF) = 42.953 PO/PSF = 2117.8 RUN NO = 127.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |         |
|------|--------|--------|--------|---------|
| .050 | -.5170 | -.3911 | -.5159 | -1.0305 |
| .230 | .0052  | -.0650 | .0440  | -.0623  |
| .410 | .0482  | .0838  | .0597  | -.0038  |
| .590 | .0597  | .1027  | .0775  | -.0021  |
| .770 | -.0377 | .0733  | .1153  | .0482   |
| .878 | -.2548 | -.1090 | -.0220 | -.0881  |

BETA ( 3 ) = .000 ALPHA ( 3 ) = 4.200 Q(PSF) = 42.953 PO/PSF = 2117.8 RUN NO = 127.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4657 | -.3795 | -.4342 | -.8762 |
| .230 | .0851  | .0882  | .1008  | -.0279 |
| .410 | .0735  | .1303  | .1082  | .0513  |
| .590 | .0882  | .1513  | .1439  | .0564  |
| .770 | -.0210 | .1229  | .1775  | .1545  |
| .878 | -.2407 | -.0725 | .0220  | -.0273 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF25)

BETA ( 3 ) = .000 ALPHA ( 4 ) = 6.220 Q(PSF) = 42.953 PO/PSF = 2117.8 RUN NO = 127.00

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4365 | -.3620 | -.3441 | -.8005 |
| .230 | .1059  | .1552  | .1447  | .0236  |
| .410 | .0996  | .1699  | .1531  | .0976  |
| .590 | .1132  | .1926  | .1926  | .1114  |
| .770 | -.0063 | .1573  | .2237  | .2402  |
| .878 | -.2214 | -.0420 | .0566  | .0555  |

BETA ( 3 ) = .000 ALPHA ( 5 ) = 8.280 Q(PSF) = 42.953 PO/PSF = 2117.8 RUN NO = 127.00

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3740 | -.3184 | -.2721 | -.5742 |
| .230 | .1239  | .1888  | .1846  | .0771  |
| .410 | .1228  | .2116  | .2002  | .1512  |
| .590 | .1376  | .2323  | .2374  | .1753  |
| .770 | .0167  | .1939  | .2582  | .2861  |
| .878 | -.1891 | -.0021 | .0787  | .0556  |

BETA ( 3 ) = .000 ALPHA ( 6 ) = 10.370 Q(PSF) = 42.953 PO/PSF = 2117.8 RUN NO = 127.00

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3475 | -.2655 | -.2131 | -.3809 |
| .230 | .1511  | .2258  | .2300  | .1407  |
| .410 | .1469  | .2518  | .2445  | .1974  |
| .590 | .1606  | .2694  | .2776  | .2214  |
| .770 | .0377  | .2249  | .2911  | .3335  |
| .878 | -.1596 | .0314  | .1018  | .0556  |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF25)

BETA ( 4 ) = 5.020 ALPHA ( 1 ) = .030 Q(PSF) = 42.922 PO/PSF = 2117.7 RUN NO = 126.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6681 | -.5450 | -.5197 | -.9994 |
| .230 | -.0221 | .0609  | .0504  | -.0694 |
| .410 | -.0379 | .0725  | .0494  | -.0073 |
| .590 | -.0221 | .0946  | .0872  | -.0107 |
| .770 | -.1462 | .0641  | .1220  | .0914  |
| .878 | -.3651 | -.1368 | -.0400 | -.1231 |

BETA ( 4 ) = 5.020 ALPHA ( 2 ) = 2.100 Q(PSF) = 42.922 PO/PSF = 2117.7 RUN NO = 126.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6897 | -.5018 | -.4336 | -.8973 |
| .230 | -.0178 | .0828  | .0786  | -.0417 |
| .410 | -.0157 | .1091  | .0881  | .0202  |
| .590 | .0020  | .1290  | .1259  | .0374  |
| .770 | -.1218 | .0849  | .1416  | .1616  |
| .878 | -.3275 | -.1207 | -.0514 | -.0640 |

BETA ( 4 ) = 5.020 ALPHA ( 3 ) = 4.150 Q(PSF) = 42.922 PO/PSF = 2117.7 RUN NO = 126.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6272 | -.4893 | -.4472 | -.5198 |
| .230 | .0062  | .1167  | .1157  | .0323  |
| .410 | .0136  | .1546  | .1346  | .0789  |
| .590 | .0315  | .1683  | .1662  | .0910  |
| .770 | -.0905 | .1188  | .1651  | .1870  |
| .878 | -.2820 | -.0863 | -.0452 | -.0673 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

PAGE 1302

0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF25)

BETA ( 4 ) = 5.020 ALPHA ( 4 ) = 6.240 Q(PSF) = 42.922 PO/PSF = 2117.7 RUN NO = 126.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5589 | -.3890 | -.2842 | -.1070 |
| .230 | .0429  | .1856  | .1698  | .0735  |
| .410 | .0429  | .1998  | .1874  | .1285  |
| .590 | .0576  | .2080  | .2101  | .1423  |
| .770 | -.0661 | .1541  | .2008  | .2328  |
| .878 | -.2485 | -.0524 | -.0126 | -.0367 |

BETA ( 4 ) = 5.020 ALPHA ( 5 ) = 8.300 Q(PSF) = 42.922 PO/PSF = 2117.7 RUN NO = 126.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |       |
|------|--------|--------|--------|-------|
| .050 | -.4410 | -.2463 | -.0747 | .0720 |
| .230 | .0852  | .2254  | .2389  | .1290 |
| .410 | .0694  | .2524  | .2472  | .1859 |
| .590 | .0767  | .2544  | .2638  | .1996 |
| .770 | -.0474 | .1932  | .2472  | .2866 |
| .878 | -.2284 | -.0179 | .0273  | .0062 |

BETA ( 4 ) = 5.020 ALPHA ( 6 ) = 10.360 Q(PSF) = 42.922 PO/PSF = 2117.7 RUN NO = 126.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |       |       |
|------|--------|--------|-------|-------|
| .050 | -.2581 | -.0976 | .0419 | .1252 |
| .230 | .1080  | .2754  | .2889 | .1579 |
| .410 | .0797  | .2930  | .2940 | .2247 |
| .590 | .0818  | .2909  | .3023 | .2384 |
| .770 | -.0441 | .2247  | .2806 | .3375 |
| .878 | -.2099 | .0146  | .0576 | .0461 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF25)

BETA ( 5 ) = 10.070 ALPHA ( 1 ) = .030 Q(PSF) = 42.907 PO/PSF = 2117.8 RUN NO = 125.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.8381 | -.5891 | -.5549 | -.5926 |
| .230 | -.0421 | .0378  | .0241  | -.0470 |
| .410 | -.0326 | .0757  | .0441  | -.0176 |
| .590 | -.0232 | .0905  | .0757  | -.0038 |
| .770 | -.1421 | .0420  | .0778  | .0947  |
| .878 | -.3285 | -.1558 | -.1200 | -.1484 |

BETA ( 5 ) = 10.080 ALPHA ( 2 ) = 2.080 Q(PSF) = 42.907 PO/PSF = 2117.8 RUN NO = 125.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5376 | -.3724 | -.3430 | -.4179 |
| .230 | -.0316 | .0893  | .0799  | -.0073 |
| .410 | -.0326 | .1241  | .0999  | .0271  |
| .590 | -.0189 | .1346  | .1199  | .0392  |
| .770 | -.1231 | .0809  | .1041  | .1230  |
| .878 | -.2851 | -.1157 | -.0947 | -.1294 |

BETA ( 5 ) = 10.080 ALPHA ( 3 ) = 4.150 Q(PSF) = 42.907 PO/PSF = 2117.8 RUN NO = 125.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2648 | -.0147 | .1386  | .0168  |
| .230 | -.0021 | .1743  | .1712  | .0668  |
| .410 | -.0200 | .1961  | .1867  | .1064  |
| .590 | -.0073 | .2033  | .1971  | .1150  |
| .770 | -.1167 | .1376  | .1681  | .1785  |
| .878 | -.2733 | -.0736 | -.0525 | -.0704 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

PAGE 1304

0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF25)

BETA ( 5 ) = 10.070 ALPHA ( 4 ) = 6.220 Q(PSF) = 42.907 PO/PSF = 2117.8 RUN NO = 125.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1545 | .2323  | .3649  | .1236  |
| .230 | .0199  | .2696  | .2758  | .1254  |
| .410 | -.0315 | .2769  | .2800  | .1907  |
| .590 | -.0221 | .2695  | .2810  | .1942  |
| .770 | -.1419 | .1919  | .2385  | .2655  |
| .878 | -.2901 | -.0399 | -.0084 | -.0347 |

BETA ( 5 ) = 10.070 ALPHA ( 5 ) = 8.300 Q(PSF) = 42.907 PO/PSF = 2117.8 RUN NO = 125.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |       |       |
|------|--------|--------|-------|-------|
| .050 | -.0621 | .2740  | .4710 | .2098 |
| .230 | .0146  | .3165  | .3466 | .1703 |
| .410 | -.0526 | .3186  | .3404 | .2441 |
| .590 | -.0578 | .3041  | .3321 | .2424 |
| .770 | -.1862 | .2211  | .2813 | .3352 |
| .878 | -.3166 | -.0147 | .0283 | .0210 |

BETA ( 5 ) = 10.070 ALPHA ( 6 ) = 10.380 Q(PSF) = 42.907 PO/PSF = 2117.8 RUN NO = 125.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |       |       |       |
|------|--------|-------|-------|-------|
| .050 | .0859  | .4384 | .5738 | .2793 |
| .230 | .0544  | .3599 | .3919 | .2177 |
| .410 | -.0304 | .3537 | .3785 | .2912 |
| .590 | -.0451 | .3351 | .3650 | .2844 |
| .770 | -.1730 | .2483 | .3103 | .3743 |
| .878 | -.2998 | .0083 | .0471 | .0502 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF26) ( 11 MAY 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0405

## PARAMETRIC DATA

MACH = .170 ELEVON = .000  
 BDFLAP = 10.000 SPDBRK = 25.000  
 PHI-N = 66.000 THETAN = 108.000  
 PHI-M = 68.000 THETAM = 98.000

BETA ( 1 ) = -10.080 ALPHA ( 1 ) = .030 Q(PSF) = 42.901 PO/PSF = 2125.6 RUN NO = 160.00

SECTION ( 1 ) MAIN LND GR DR-I DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

## X/CML

.050 -.5216 -.5258 -.7582 -1.2162  
 .230 -.5058 -.4512 -.3744 -.2970  
 .410 -.1535 -.1020 -.1630 -.1745  
 .590 -.0883 -.0894 -.1988 -.2573  
 .770 -.1052 -.1293 -.2009 -.2324  
 .878 -.2608 -.2366 -.2576 -.2261

BETA ( 1 ) = -10.080 ALPHA ( 2 ) = 2.090 Q(PSF) = 42.901 PO/PSF = 2125.6 RUN NO = 160.00

SECTION ( 1 ) MAIN LND GR DR-I DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

## X/CML

.050 -.4630 -.4683 -.6777 -1.0496  
 .230 -.4430 -.3536 -.2694 -.2609  
 .410 -.1063 -.0147 -.0789 -.1091  
 .590 -.0031 .0041 -.1168 -.1798  
 .770 -.0484 -.0621 -.1263 -.1641  
 .878 -.1894 -.1894 -.2115 -.1747

BETA ( 1 ) = -10.080 ALPHA ( 3 ) = 4.160 Q(PSF) = 42.901 PO/PSF = 2125.6 RUN NO = 160.00

SECTION ( 1 ) MAIN LND GR DR-I DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

## X/CML

.050 -.4414 -.3878 -.5844 -.8587  
 .230 -.4235 -.2522 -.1860 -.1348  
 .410 -.0599 -.0935 -.0021 -.0417  
 .590 .0514 .0808 -.0368 -.0865  
 .770 .0199 .0083 -.0483 -.0925  
 .878 -.1450 -.1303 -.1576 -.1177



DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF26)

BETA ( 1 ) = -10.080    ALPHA ( 4 ) = 6.220    Q(PSF) = 42.901    PO/PSF = 2125.6    RUN NO = 160.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML    .0760    .3100    .5820    .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3994 | -.3027 | -.4824 | -.7536 |
| .230 | -.3227 | -.1724 | -.0935 | -.0400 |
| .410 | .0125  | .1450  | .0651  | .0185  |
| .590 | .0914  | .1366  | .0430  | -.0141 |
| .770 | .0493  | .0693  | .0241  | -.0252 |
| .878 | -.1167 | -.0757 | -.1019 | -.0662 |

BETA ( 1 ) = -10.070    ALPHA ( 5 ) = 8.290    Q(PSF) = 42.901    PO/PSF = 2125.6    RUN NO = 160.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML    .0760    .3100    .5820    .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3585 | -.2260 | -.3911 | -.7382 |
| .230 | -.1619 | -.0925 | -.0242 | .0375  |
| .410 | .0798  | .1733  | .1324  | .0582  |
| .590 | .1418  | .1785  | .1155  | .0478  |
| .770 | .0956  | .1376  | .1229  | .0661  |
| .878 | -.0694 | -.0116 | -.0168 | .0020  |

BETA ( 1 ) = -10.080    ALPHA ( 6 ) = 10.360    Q(PSF) = 42.901    PO/PSF = 2125.6    RUN NO = 160.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML    .0760    .3100    .5820    .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3088 | -.1555 | -.2773 | -.6119 |
| .230 | .0199  | .0000  | .0671  | .1115  |
| .410 | .1512  | .2156  | .1939  | .1219  |
| .590 | .2001  | .2260  | .1949  | .1270  |
| .770 | .1480  | .1887  | .1970  | .1543  |
| .878 | -.0189 | .0430  | .0514  | .0577  |

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF26)

BETA ( 2 ) = -5.050 ALPHA ( 1 ) = .030 Q(PSF) = 42.900 PO/PSF = 2125.5 RUN NO = 161.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5488 | -.4605 | .8781  | -.8900 |
| .230 | -.4121 | -.3248 | -.1461 | -.1435 |
| .410 | -.0452 | .0094  | -.0631 | -.0952 |
| .590 | .0136  | .0136  | -.1104 | -.1348 |
| .770 | -.0441 | -.0526 | -.1335 | -.1693 |
| .878 | -.2145 | -.1871 | -.2187 | -.1829 |

BETA ( 2 ) = -5.050 ALPHA ( 2 ) = 2.080 Q(PSF) = 42.900 PO/PSF = 2125.5 RUN NO = 161.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5173 | -.3879 | -.6056 | -.8693 |
| .230 | -.3038 | -.2376 | -.0883 | -.0866 |
| .410 | .0083  | .0514  | -.0105 | -.0555 |
| .590 | .0598  | .0651  | -.0368 | -.0814 |
| .770 | .0031  | .0115  | -.0431 | -.0948 |
| .878 | -.1766 | -.1325 | -.1461 | -.1356 |

BETA ( 2 ) = -5.050 ALPHA ( 3 ) = 4.140 Q(PSF) = 42.900 PO/PSF = 2125.5 RUN NO = 161.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4927 | -.3179 | -.4927 | -.8774 |
| .230 | -.1368 | -.1579 | -.0705 | -.0176 |
| .410 | .0715  | .0883  | .0631  | -.0142 |
| .590 | .1073  | .1104  | .0504  | -.0211 |
| .770 | .0473  | .0757  | .0715  | -.0053 |
| .878 | -.1421 | -.0779 | -.0505 | -.1137 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF26)

BETA ( 2 ) = -5.050 ALPHA ( 4 ) = 6.220 Q(PSF) = 42.900 PO/PSF = 2125.5 RUN NO = 161.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4250 | -.2598 | -.3976 | -.8353 |
| .230 | .0252  | -.0536 | .0441  | .0323  |
| .410 | .1272  | .1377  | .1209  | .0496  |
| .590 | .1535  | .1577  | .1261  | .0478  |
| .770 | .0809  | .1272  | .1482  | .0935  |
| .878 | -.1136 | -.0284 | .0199  | -.0315 |

BETA ( 2 ) = -5.060 ALPHA ( 5 ) = 8.290 Q(PSF) = 42.900 PO/PSF = 2125.5 RUN NO = 161.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3540 | -.2049 | -.2994 | -.6861 |
| .230 | .1302  | .0608  | .1270  | .0598  |
| .410 | .1680  | .1877  | .1742  | .1115  |
| .590 | .1867  | .2032  | .1929  | .1184  |
| .770 | .1060  | .1711  | .2146  | .1960  |
| .878 | -.0935 | .0115  | .0714  | .0440  |

BETA ( 2 ) = -5.050 ALPHA ( 6 ) = 10.350 Q(PSF) = 42.900 PO/PSF = 2125.5 RUN NO = 161.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3003 | -.1690 | -.2247 | -.6099 |
| .230 | .1897  | .1845  | .2000  | .1235  |
| .410 | .2031  | .2290  | .2145  | .1648  |
| .590 | .2197  | .2486  | .2455  | .1820  |
| .770 | .1312  | .2135  | .2573  | .2849  |
| .878 | -.0703 | .0472  | .1123  | .1175  |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF26)

BETA ( 3 ) = -.020 ALPHA ( 1 ) = .020 Q(PSF) = 42.920 PO/PSF = 2125.5 RUN NO = 162.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5914 | -.4286 | -.6166 | -.9892 |
| .230 | -.1229 | -.1996 | -.0399 | -.0744 |
| .410 | .0146  | .0335  | -.0042 | -.0693 |
| .590 | .0335  | .0514  | -.0031 | -.0813 |
| .770 | -.0525 | .0272  | .0398  | -.0515 |
| .878 | -.2647 | -.1260 | -.0767 | -.1681 |

BETA ( 3 ) = -.020 ALPHA ( 2 ) = 2.070 Q(PSF) = 42.920 PO/PSF = 2125.5 RUN NO = 162.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |         |
|------|--------|--------|--------|---------|
| .050 | -.5248 | -.3881 | -.5217 | -1.0663 |
| .230 | -.0010 | -.0778 | .0472  | -.0452  |
| .410 | .0472  | .0788  | .0546  | -.0073  |
| .590 | .0588  | .0977  | .0704  | -.0107  |
| .770 | -.0379 | .0735  | .1104  | .0409   |
| .878 | -.2566 | -.0957 | -.0273 | -.0978  |

BETA ( 3 ) = -.020 ALPHA ( 3 ) = 4.150 Q(PSF) = 42.920 PO/PSF = 2125.5 RUN NO = 162.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4711 | -.3754 | -.4364 | -.8523 |
| .230 | .0830  | .0746  | .1061  | -.0021 |
| .410 | .0704  | .1261  | .1061  | .0409  |
| .590 | .0872  | .1482  | .1387  | .0547  |
| .770 | -.0231 | .1188  | .1734  | .1471  |
| .878 | -.2429 | -.0578 | .0167  | -.0515 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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CA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF26)

BETA ( 3 ) = -.020 ALPHA ( 4 ) = 6.200 Q(PSF) = 42.920 PO/PSF = 2125.5 RUN NO = 162.00

SECTION ( 1 ) MAIN LND GR DR-I DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4478 | -.3553 | -.3406 | -.7865 |
| .230 | .1071  | .1566  | .1418  | .0530  |
| .410 | .0977  | .1671  | .1492  | .0926  |
| .590 | .1124  | .1878  | .1899  | .1099  |
| .770 | -.0031 | .1544  | .2210  | .2313  |
| .878 | -.2239 | -.0263 | .0525  | .0367  |

BETA ( 3 ) = -.020 ALPHA ( 5 ) = 8.290 Q(PSF) = 42.920 PO/PSF = 2125.5 RUN NO = 162.00

SECTION ( 1 ) MAIN LND GR DR-I DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4086 | -.3130 | -.2594 | -.5877 |
| .230 | .1207  | .1877  | .1846  | .1115  |
| .410 | .1197  | .2104  | .1959  | .1425  |
| .590 | .1365  | .2311  | .2363  | .1683  |
| .770 | .0157  | .1908  | .2570  | .2901  |
| .878 | -.1932 | .0146  | .0724  | .0577  |

BETA ( 3 ) = -.020 ALPHA ( 6 ) = 10.340 Q(PSF) = 42.920 PO/PSF = 2125.5 RUN NO = 162.00

SECTION ( 1 ) MAIN LND GR DR-I DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |       |
|------|--------|--------|--------|-------|
| .050 | .0387  | .2237  | .2775  | .2196 |
| .230 | -.1626 | .0450  | .2899  | .0908 |
| .410 | -.5289 | -.3389 | -.2560 | .3447 |
| .590 | .0786  | .1458  | .2196  | .1111 |
| .770 | .0650  | .1437  | .2496  | .2237 |
| .878 | .1500  | .1573  | .2682  | .2413 |

DATE 17 MAY 73

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF26)

BETA ( 4 ) = 5.020 ALPHA ( 1 ) = .020 Q(PSF) = 42.907 PO/PSF = 2125.5 RUN NO = 163.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6583 | -.5428 | -.5197 | -.9939 |
| .230 | -.0231 | .0566  | .0514  | -.0451 |
| .410 | -.0367 | .0724  | .0482  | -.0124 |
| .590 | -.0199 | .0944  | .0829  | -.0038 |
| .770 | -.1407 | .0661  | .1196  | .0923  |
| .878 | -.3580 | -.1165 | -.0420 | -.1543 |

BETA ( 4 ) = 5.020 ALPHA ( 2 ) = 2.080 Q(PSF) = 42.907 PO/PSF = 2125.5 RUN NO = 163.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6998 | -.4980 | -.4308 | -.8878 |
| .230 | -.0189 | .0829  | .0787  | -.0159 |
| .410 | -.0168 | .1071  | .0850  | .0168  |
| .590 | .0052  | .1281  | .1228  | .0357  |
| .770 | -.1166 | .0861  | .1407  | .1659  |
| .878 | -.3247 | -.1030 | -.0525 | -.0851 |

BETA ( 4 ) = 5.020 ALPHA ( 3 ) = 4.130 Q(PSF) = 42.907 PO/PSF = 2125.5 RUN NO = 163.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6704 | -.4852 | -.4504 | -.5630 |
| .230 | .0041  | .1136  | .1083  | .0375  |
| .410 | .0125  | .1483  | .1304  | .0686  |
| .590 | .0315  | .1662  | .1620  | .0927  |
| .770 | -.0831 | .1157  | .1630  | .1953  |
| .878 | -.2799 | -.0694 | -.0505 | -.0558 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF26)

BETA ( 4 ) = 5.020 ALPHA ( 4 ) = 6.200 Q(PSF) = 42.907 PO/PSF = 2125.5 RUN NO = 163.00

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5654 | -.3962 | -.3111 | -.1296 |
| .230 | .0356  | .1649  | .1639  | .0806  |
| .410 | .0388  | .1961  | .1836  | .1202  |
| .590 | .0598  | .2075  | .2095  | .1426  |
| .770 | -.0599 | .1523  | .1971  | .2427  |
| .878 | -.2438 | -.0368 | -.0210 | -.0305 |

BETA ( 4 ) = 5.020 ALPHA ( 5 ) = 8.260 Q(PSF) = 42.907 PO/PSF = 2125.5 RUN NO = 163.00

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |       |
|------|--------|--------|--------|-------|
| .050 | -.4483 | -.2736 | -.1010 | .0496 |
| .230 | .0746  | .2171  | .2274  | .1221 |
| .410 | .0620  | .2461  | .2409  | .1755 |
| .590 | .0767  | .2513  | .2565  | .1927 |
| .770 | -.0421 | .1911  | .2368  | .2876 |
| .878 | -.2210 | -.0010 | .0146  | .0052 |

BETA ( 4 ) = 5.020 ALPHA ( 6 ) = 10.350 Q(PSF) = 42.907 PO/PSF = 2125.5 RUN NO = 163.00

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |       |       |
|------|--------|--------|-------|-------|
| .050 | -.2710 | -.1134 | .0293 | .1460 |
| .230 | .1081  | .2716  | .2850 | .1563 |
| .410 | .0756  | .2912  | .2912 | .2181 |
| .590 | .0819  | .2892  | .3006 | .2335 |
| .770 | -.0368 | .2219  | .2767 | .3461 |
| .878 | -.2080 | .0304  | .0524 | .0598 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF26)

BETA ( 5 ) = 10.070 ALPHA ( 1 ) = .000 Q(PSF) = 42.912 PO/PSF = 2125.6 RUN NO = 164.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.8454 | -.5978 | -.5580 | -.5697 |
| .230 | -.0419 | .0356  | .0209  | -.0348 |
| .410 | -.0336 | .0744  | .0408  | -.0244 |
| .590 | -.0252 | .0891  | .0733  | -.0038 |
| .770 | -.1495 | .0398  | .0765  | .1027  |
| .878 | -.3293 | -.1395 | -.1280 | -.1531 |

BETA ( 5 ) = 10.070 ALPHA ( 2 ) = 2.070 Q(PSF) = 42.912 PO/PSF = 2125.6 RUN NO = 164.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5420 | -.3928 | -.3687 | -.4362 |
| .230 | -.0389 | .0860  | .0724  | .0064  |
| .410 | -.0368 | .1218  | .0902  | .0185  |
| .590 | -.0189 | .1312  | .1176  | .0374  |
| .770 | -.1218 | .0787  | .1028  | .1312  |
| .878 | -.2815 | -.1019 | -.1029 | -.1260 |

BETA ( 5 ) = 10.060 ALPHA ( 3 ) = 4.140 Q(PSF) = 42.912 PO/PSF = 2125.6 RUN NO = 164.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2831 | -.0095 | .1041  | -.0021 |
| .230 | -.0147 | .1683  | .1641  | .0548  |
| .410 | -.0252 | .1891  | .1704  | .0927  |
| .590 | -.0116 | .1911  | .1839  | .1031  |
| .770 | -.1147 | .1304  | .1557  | .1787  |
| .878 | -.2704 | -.0642 | -.0653 | -.0947 |



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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB

MAIN GEAR DOOR INNER SURFACE

(RFFF26)

BETA ( 5 ) = 10.060 ALPHA ( 4 ) = 6.230 Q(PSF) = 42.912 PO/PSF = 2125.6 RUN NO = 164.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1747 | .1964  | .3385  | .1773  |
| .230 | .0062  | .2596  | .2690  | .1169  |
| .410 | -.0442 | .2690  | .2690  | .1807  |
| .590 | -.0316 | .2607  | .2669  | .1842  |
| .770 | -.1358 | .1881  | .2275  | .2607  |
| .878 | -.2800 | -.0221 | -.0168 | -.0368 |

BETA ( 5 ) = 10.060 ALPHA ( 5 ) = 8.280 Q(PSF) = 42.912 PO/PSF = 2125.6 RUN NO = 164.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |       |       |       |
|------|--------|-------|-------|-------|
| .050 | -.0768 | .2513 | .4556 | .2700 |
| .230 | .0157  | .3094 | .3332 | .1635 |
| .410 | -.0473 | .3146 | .3322 | .2356 |
| .590 | -.0526 | .3031 | .3291 | .2391 |
| .770 | -.1715 | .2191 | .2741 | .3363 |
| .878 | -.3041 | .0000 | .0167 | .0304 |

BETA ( 5 ) = 10.060 ALPHA ( 6 ) = 10.360 Q(PSF) = 42.912 PO/PSF = 2125.6 RUN NO = 164.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |       |       |       |
|------|--------|-------|-------|-------|
| .050 | .0808  | .4235 | .5663 | .3653 |
| .230 | .0493  | .3573 | .3863 | .2094 |
| .410 | -.0283 | .3521 | .3759 | .2848 |
| .590 | -.0441 | .3345 | .3645 | .2831 |
| .770 | -.1711 | .2455 | .3076 | .3780 |
| .878 | -.3055 | .0241 | .0356 | .0587 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF27) ( 03 FEB 76 )

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
LREF = 474.8100 INCHES YMRP = .0000 IN. YO  
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
SCAL = .0405

PARAMETRIC DATA

MACH = .170 ELEVON = .000  
BDFLAP = -11.700 SPDBRK = .000  
PHI-N = 66.000 THETAN = 108.000  
PHI-M = 88.000 THETAM = 98.000

BETA ( 1 ) = -10.090 ALPHA ( 1 ) = .000 Q(PSF) = 43.158 PO/PSF = 2129.0 RUN NO = 165.00

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.5856 -.5689 -.8109 -1.2796  
.230 -.5312 -.4987 -.4253 -.3999  
.410 -.1917 -.1362 -.1969 -.2109  
.590 -.1330 -.1236 -.2472 -.3105  
.770 -.1634 -.1666 -.2357 -.2713  
.878 -.3090 -.2776 -.2986 -.2692

BETA ( 1 ) = -10.090 ALPHA ( 2 ) = 2.070 Q(PSF) = 43.158 PO/PSF = 2129.0 RUN NO = 165.00

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.5042 -.5063 -.7333 -1.0941  
.230 -.4906 -.4006 -.3034 -.2792  
.410 -.1360 -.0355 -.1171 -.1437  
.590 -.0376 -.0376 -.1558 -.2191  
.770 -.0795 -.1014 -.1558 -.1966  
.878 -.2301 -.2270 -.2469 -.2061

BETA ( 1 ) = -10.090 ALPHA ( 3 ) = 4.150 Q(PSF) = 43.158 PO/PSF = 2129.0 RUN NO = 165.00

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.4724 -.4242 -.6201 -.9204  
.230 -.4609 -.2902 -.2242 -.1696  
.410 -.0922 .0627 -.0314 -.0683  
.590 .0193 .0503 -.0597 -.1198  
.770 -.0147 -.0241 -.0785 -.1236  
.878 -.1802 -.1676 -.1938 -.1529

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF27)

BETA ( 1 ) = -10.090    ALPHA ( 4 ) = 5.190    Q(PSF) = 43.158    PO/PSF = 2129.0    RUN NO = 165.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML    .0760    .3100    .5820    .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4594 | -.3778 | -.5640 | -.8285 |
| .230 | -.4154 | -.2396 | -.1695 | -.1231 |
| .410 | -.0533 | .0935  | .0048  | -.0339 |
| .590 | .0389  | .0843  | -.0199 | -.0819 |
| .770 | .0028  | .0121  | -.0418 | -.0826 |
| .878 | -.1643 | -.1339 | -.1611 | -.1235 |

BETA ( 1 ) = -10.090    ALPHA ( 5 ) = 6.240    Q(PSF) = 43.158    PO/PSF = 2129.0    RUN NO = 165.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML    .0760    .3100    .5820    .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4320 | -.3347 | -.5114 | -.7714 |
| .230 | -.3389 | -.1914 | -.1223 | -.0682 |
| .410 | -.0146 | .1203  | .0420  | -.0048 |
| .590 | .0626  | .1121  | .0193  | -.0339 |
| .770 | .0193  | .0430  | -.0012 | -.0481 |
| .878 | -.1464 | -.1035 | -.1297 | -.0931 |

BETA ( 1 ) = -10.090    ALPHA ( 6 ) = 6.310    Q(PSF) = 43.158    PO/PSF = 2129.0    RUN NO = 165.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML    .0760    .3100    .5820    .8530

X.CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3851 | -.2515 | -.4112 | -.7647 |
| .230 | -.1816 | -.1116 | -.0428 | .0105  |
| .410 | .0552  | .1540  | .1118  | .0394  |
| .590 | .1180  | .1612  | .0923  | .0309  |
| .770 | .0886  | .1128  | .1036  | .0460  |
| .878 | -.0949 | -.0365 | -.0428 | -.0250 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF27)

BETA ( 1 ) = -10.090 ALPHA ( 7 ) = 10.420 Q(PSF) = 43.158 PO/PSF = 2129.0 RUN NO = 165.00

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3397 | -.1793 | -.2960 | -.6320 |
| .230 | -.0023 | -.0125 | .0470  | .0955  |
| .410 | .1322  | .2021  | .1795  | .1074  |
| .590 | .1785  | .2103  | .1805  | .1142  |
| .770 | .1271  | .1702  | .1795  | .1374  |
| .878 | -.0406 | .0192  | .0264  | .0356  |

BETA ( 1 ) = -10.090 ALPHA ( 8 ) = 15.670 Q(PSF) = 43.158 PO/PSF = 2129.0 RUN NO = 165.00

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2127 | -.0095 | -.0458 | -.3330 |
| .230 | .2556  | .2659  | .2823  | .2266  |
| .410 | .2936  | .3203  | .3039  | .2691  |
| .590 | .3162  | .3306  | .3306  | .2998  |
| .770 | .2504  | .2946  | .3357  | .3676  |
| .878 | .0819  | .1456  | .1857  | .1970  |

BETA ( 1 ) = -10.090 ALPHA ( 9 ) = 20.910 Q(PSF) = 43.158 PO/PSF = 2129.0 RUN NO = 165.00

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .0182 | .1477 | .1199 | .0445 |
| .230 | .3830 | .4149 | .4397 | .3559 |
| .410 | .4036 | .4231 | .4221 | .3865 |
| .590 | .4179 | .4364 | .4488 | .4206 |
| .770 | .3440 | .3943 | .4447 | .5043 |
| .878 | .1908 | .2566 | .2854 | .2967 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A153 ( NAAL-751 )

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0A153 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF27)

BETA ( 2 ) = -5.060 ALPHA ( 1 ) = .000 Q(PSF) = 43.179 PO/PSF = 2128.9 RUN NO = 166.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5943 | -.5043 | -.7272 | -.9382 |
| .230 | -.4520 | -.3568 | -.1852 | -.1797 |
| .410 | -.0837 | -.0230 | -.0941 | -.1317 |
| .590 | -.0230 | -.0209 | -.1475 | -.1729 |
| .770 | -.0795 | -.0879 | -.1716 | -.2009 |
| .878 | -.2563 | -.2281 | -.2616 | -.2228 |

BETA ( 2 ) = -5.060 ALPHA ( 2 ) = 2.080 Q(PSF) = 43.179 PO/PSF = 2128.9 RUN NO = 166.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5556 | -.4230 | -.6465 | -.9073 |
| .230 | -.3206 | -.2632 | -.1107 | -.1160 |
| .410 | -.0198 | .0275  | -.0323 | -.0852 |
| .590 | .0295  | .0378  | -.0510 | -.1092 |
| .770 | -.0303 | -.0177 | -.0617 | -.1326 |
| .878 | -.2120 | -.1639 | -.1807 | -.1775 |

BETA ( 2 ) = -5.060 ALPHA ( 3 ) = 4.150 Q(PSF) = 43.179 PO/PSF = 2128.9 RUN NO = 166.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5326 | -.3571 | -.5273 | -.9089 |
| .230 | -.1535 | -.1838 | -.0877 | -.0389 |
| .410 | .0450  | .0645  | .0378  | -.0389 |
| .590 | .0810  | .0820  | .0265  | -.0475 |
| .770 | .0162  | .0481  | .0470  | -.0303 |
| .878 | -.1754 | -.1075 | -.0814 | -.1556 |

DATE 17 MAY 76

TAEULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF27)

BETA ( 2 ) = -5.060 ALPHA ( 4 ) = 5.200 Q(PSF) = 43.179 PO/PSF = 2128.9 RUN NO = 166.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4948 | -.3201 | -.4780 | -.8813 |
| .230 | -.0586 | -.1112 | -.0314 | -.0184 |
| .410 | .0801  | .0904  | .0698  | -.0099 |
| .590 | .1049  | .1069  | .0688  | -.0133 |
| .770 | .0358  | .0750  | .0894  | .0172  |
| .878 | -.1600 | -.0826 | -.0418 | -.1129 |

BETA ( 2 ) = -5.060 ALPHA ( 5 ) = 6.250 Q(PSF) = 43.179 PO/PSF = 2128.9 RUN NO = 166.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4555 | -.2897 | -.4190 | -.8850 |
| .230 | .0141  | -.0740 | .0202  | .0088  |
| .410 | .1045  | .1168  | .0993  | .0275  |
| .590 | .1281  | .1343  | .1034  | .0275  |
| .770 | .0521  | .1024  | .1250  | .0675  |
| .878 | -.1448 | -.0573 | -.0105 | -.0688 |

BETA ( 2 ) = -5.060 ALPHA ( 6 ) = 8.310 Q(PSF) = 43.179 PO/PSF = 2128.9 RUN NO = 166.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3876 | -.2277 | -.3155 | -.7054 |
| .230 | .1160  | .0491  | .1119  | .0361  |
| .410 | .1500  | .1696  | .1552  | .0906  |
| .590 | .1696  | .1861  | .1747  | .1009  |
| .770 | .0831  | .1511  | .1953  | .1819  |
| .878 | -.1170 | -.0126 | .0460  | .0100  |

OA163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF27)

BETA ( 2 ) = -5.070 ALPHA ( 7 ) = 10.410 Q(PSF) = 43.179 PO/PSF = 2128.9 RUN NO = 166.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3207 | -.1823 | -.2368 | -.6424 |
| .230 | .1763  | .1712  | .1825  | .1029  |
| .410 | .1898  | .2166  | .1990  | .1491  |
| .590 | .2063  | .2342  | .2321  | .1696  |
| .770 | .1133  | .1960  | .2507  | .2724  |
| .878 | -.0891 | .0255  | .0896  | .0947  |

BETA ( 2 ) = -5.070 ALPHA ( 8 ) = 15.670 Q(PSF) = 43.179 PO/PSF = 2128.9 RUN NO = 166.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1189 | -.0595 | -.0563 | -.1741 |
| .230 | .2702  | .3082  | .3082  | .2523  |
| .410 | .2743  | .3298  | .3237  | .2762  |
| .590 | .2856  | .3422  | .3556  | .3153  |
| .770 | .1828  | .2928  | .3576  | .4173  |
| .878 | .0007  | .1334  | .1735  | .1869  |

BETA ( 2 ) = -5.070 ALPHA ( 9 ) = 20.940 Q(PSF) = 43.179 PO/PSF = 2128.9 RUN NO = 166.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .1228 | .1802 | .2674 | .2873 |
| .230 | .3966 | .4417 | .4520 | .3518 |
| .410 | .3833 | .4510 | .4551 | .4095 |
| .590 | .3761 | .4469 | .4684 | .4299 |
| .770 | .2705 | .3894 | .4499 | .5217 |
| .878 | .1033 | .2284 | .2653 | .2705 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF27)

BETA ( 3 ) = -2.030 ALPHA ( 1 ) = .000 Q(PSF) = 43.188 PO/PSF = 2128.9 RUN NO = 167.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |         |
|------|--------|--------|--------|---------|
| .050 | -.6500 | -.4679 | -.6866 | -1.0673 |
| .230 | -.2847 | -.2931 | -.1538 | -.1249  |
| .410 | -.0282 | -.0178 | -.0586 | -.1249  |
| .590 | .0069  | .0048  | -.0879 | -.1352  |
| .770 | -.0628 | -.0303 | -.0523 | -.1256  |
| .878 | -.2669 | -.1842 | -.1580 | -.2323  |

BETA ( 3 ) = -2.030 ALPHA ( 2 ) = 2.090 Q(PSF) = 43.188 PO/PSF = 2128.9 RUN NO = 167.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5888 | -.4142 | -.5909 | -.9961 |
| .230 | -.1171 | -.1872 | -.0554 | -.0767 |
| .410 | .0234  | .0358  | .0069  | -.0647 |
| .590 | .0450  | .0554  | .0069  | -.0716 |
| .770 | -.0376 | .0265  | .0389  | -.0387 |
| .878 | -.2520 | -.1370 | -.0836 | -.1767 |

BETA ( 3 ) = -2.030 ALPHA ( 3 ) = 4.140 Q(PSF) = 43.188 PO/PSF = 2128.9 RUN NO = 167.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |         |
|------|--------|--------|--------|---------|
| .050 | -.5107 | -.3582 | -.4804 | -1.0033 |
| .230 | .0100  | -.0689 | .0388  | -.0424  |
| .410 | .0615  | .0851  | .0666  | .0003   |
| .590 | .0769  | .1047  | .0831  | -.0013  |
| .770 | -.0157 | .0728  | .1129  | .0553   |
| .878 | -.2318 | -.0940 | -.0313 | -.1055  |



DATE 17 MAY 76

TABULATED PRESSURE DATA - DA163 ( NAAL-751 )

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DA163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF27)

BETA ( 3 ) = -2.030 ALPHA ( 4 ) = 5.200 Q(PSF) = 43.188 PO/PSF = 2128.9 RUN NO = 167.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4704 | -.3369 | -.4360 | -.6771 |
| .230 | .0562  | .0038  | .0717  | -.0235 |
| .410 | .0809  | .1128  | .0953  | .0275  |
| .590 | .0963  | .1313  | .1200  | .0377  |
| .770 | -.0043 | .0974  | .1477  | .1128  |
| .878 | -.2232 | -.0730 | -.0074 | -.0813 |

BETA ( 3 ) = -2.030 ALPHA ( 5 ) = 6.230 Q(PSF) = 43.188 PO/PSF = 2128.9 RUN NO = 167.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4438 | -.3300 | -.3958 | -.8062 |
| .230 | .0954  | .0748  | .1057  | .0088  |
| .410 | .0964  | .1386  | .1181  | .0548  |
| .590 | .1119  | .1561  | .1489  | .0701  |
| .770 | .0059  | .1211  | .1778  | .1705  |
| .878 | -.2120 | -.0564 | .0131  | -.0449 |

BETA ( 3 ) = -2.030 ALPHA ( 6 ) = 8.320 Q(PSF) = 43.188 PO/PSF = 2128.9 RUN NO = 167.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3872 | -.3079 | -.3037 | -.7236 |
| .230 | .1345  | .1643  | .1540  | .0667  |
| .410 | .1283  | .1818  | .1612  | .1059  |
| .590 | .1437  | .2003  | .2013  | .1263  |
| .770 | .0336  | .1633  | .2260  | .2507  |
| .878 | -.1847 | -.0146 | .0450  | .0336  |

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OF POOR QUALITY

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF27)

BETA ( 3 ) = -2.030 ALPHA ( 7 ) = 10.410 Q(PSF) = 43.188 PO/PSF = 2128.9 RUN NO = 167.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3156 | -.2466 | -.2216 | -.5172 |
| .230 | .1563  | .2078  | .2026  | .1316  |
| .410 | .1583  | .2263  | .2160  | .1623  |
| .590 | .1717  | .2449  | .2510  | .1930  |
| .770 | .0563  | .2016  | .2665  | .3108  |
| .878 | -.1494 | .0265  | .0759  | .0697  |

BETA ( 3 ) = -2.030 ALPHA ( 8 ) = 15.660 Q(PSF) = 43.188 PO/PSF = 2128.9 RUN NO = 167.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1619 | -.0480 | -.0002 | -.0116 |
| .230 | .2540  | .3250  | .3342  | .2389  |
| .410 | .2365  | .3425  | .3445  | .2917  |
| .590 | .2385  | .3507  | .3672  | .3173  |
| .770 | .1201  | .2941  | .3600  | .4331  |
| .878 | -.0595 | .1181  | .1623  | .1675  |

BETA ( 3 ) = -2.040 ALPHA ( 9 ) = 20.930 Q(PSF) = 43.188 PO/PSF = 2128.9 RUN NO = 167.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .2593 | .3239 | .5065 | .5048 |
| .230 | .3965 | .4675 | .4819 | .3604 |
| .410 | .3526 | .4665 | .4737 | .4165 |
| .590 | .3393 | .4562 | .4768 | .4301 |
| .770 | .2285 | .3834 | .4419 | .5127 |
| .878 | .0684 | .2110 | .2418 | .2531 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF27)

BETA ( 4 ) = -.030 ALPHA ( 1 ) = -.020 Q(PSF) = 43.194 PO/PSF = 2128.9 RUN NO = 168.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |         |
|------|--------|--------|--------|---------|
| .050 | -.6443 | -.4717 | -.6610 | -1.0305 |
| .230 | -.1485 | -.2332 | -.0753 | -.1093  |
| .410 | -.0188 | .0018  | -.0313 | -.1025  |
| .590 | -.0012 | .0203  | -.0303 | -.1110  |
| .770 | -.0910 | -.0064 | .0069  | -.0795  |
| .878 | -.3085 | -.1663 | -.1161 | -.2207  |

BETA ( 4 ) = -.030 ALPHA ( 2 ) = 2.070 Q(PSF) = 43.194 PO/PSF = 2128.9 RUN NO = 168.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |         |
|------|--------|--------|--------|---------|
| .050 | -.5637 | -.4298 | -.5595 | -1.1195 |
| .230 | -.0230 | -.0993 | .0193  | -.0750  |
| .410 | .0152  | .0512  | .0275  | -.0390  |
| .590 | .0286  | .0698  | .0461  | -.0424  |
| .770 | -.0721 | .0409  | .0801  | .0121   |
| .878 | -.2959 | -.1297 | -.0638 | -.1537  |

BETA ( 4 ) = -.030 ALPHA ( 3 ) = 4.150 Q(PSF) = 43.194 PO/PSF = 2128.9 RUN NO = 168.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5059 | -.4100 | -.4684 | -.8926 |
| .230 | .0562  | .0521  | .0758  | -.0286 |
| .410 | .0429  | .1015  | .0819  | .0139  |
| .590 | .0593  | .1220  | .1148  | .0309  |
| .770 | -.0553 | .0912  | .1457  | .1241  |
| .878 | -.2816 | -.0897 | -.0177 | -.1053 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF27)

BETA ( 4 ) = -.030 ALPHA ( 4 ) = 5.220 Q(PSF) = 43.194 PO/PSF = 2128.9 RUN NO = 168.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4872 | -.4037 | -.4236 | -.8876 |
| .230 | .0696  | .1056  | .1005  | .0003  |
| .410 | .0583  | .1251  | .1046  | .0411  |
| .590 | .0717  | .1478  | .1447  | .0616  |
| .770 | -.0427 | .1107  | .1755  | .1735  |
| .878 | -.2691 | -.0720 | .0007  | -.0553 |

BETA ( 4 ) = -.030 ALPHA ( 5 ) = 6.230 Q(PSF) = 43.194 PO/PSF = 2128.9 RUN NO = 168.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4825 | -.3885 | -.3645 | -.8200 |
| .230 | .0810  | .1325  | .1191  | .0275  |
| .410 | .0717  | .1479  | .1284  | .0667  |
| .590 | .0872  | .1665  | .1685  | .0889  |
| .770 | -.0334 | .1294  | .1973  | .2159  |
| .878 | -.2590 | -.0543 | .0192  | -.0012 |

BETA ( 4 ) = -.030 ALPHA ( 6 ) = 8.310 Q(PSF) = 43.194 PO/PSF = 2128.9 RUN NO = 168.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4399 | -.3364 | -.2790 | -.6096 |
| .230 | .1036  | .1675  | .1665  | .0923  |
| .410 | .1006  | .1933  | .1789  | .1247  |
| .590 | .1140  | .2118  | .2170  | .1537  |
| .770 | -.0074 | .1706  | .2335  | .2736  |
| .878 | -.2225 | -.0136 | .0399  | .0244  |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF27)

BETA ( 4 ) = -.030 ALPHA ( 7 ) = 10.410 Q(PSF) = 43.194 PO/PSF = 2128.9 RUN NO = 168.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3678 | -.2769 | -.2131 | -.3851 |
| .230 | .1294  | .2067  | .2098  | .1418  |
| .410 | .1243  | .2355  | .2293  | .1708  |
| .590 | .1367  | .2520  | .2623  | .2049  |
| .770 | .0131  | .2026  | .2705  | .3282  |
| .878 | -.1870 | .0193  | .0697  | .0790  |

BETA ( 4 ) = -.030 ALPHA ( 8 ) = 15.650 Q(PSF) = 43.194 PO/PSF = 2128.9 RUN NO = 168.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |       |       |       |
|------|--------|-------|-------|-------|
| .050 | -.1462 | .0028 | .0903 | .1281 |
| .230 | .2416  | .3373 | .3455 | .2269 |
| .410 | .2138  | .3507 | .3517 | .2049 |
| .590 | .2107  | .3466 | .3589 | .3002 |
| .770 | .0954  | .2807 | .3352 | .4052 |
| .878 | -.0731 | .1036 | .1273 | .1335 |

BETA ( 4 ) = -.040 ALPHA ( 9 ) = 20.950 Q(PSF) = 43.194 PO/PSF = 2128.9 RUN NO = 168.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .3545 | .4806 | .6519 | .5181 |
| .230 | .3781 | .4929 | .5114 | .3772 |
| .410 | .3319 | .4857 | .4970 | .4366 |
| .590 | .3135 | .4683 | .4898 | .4451 |
| .770 | .1996 | .3904 | .4447 | .5165 |
| .878 | .0397 | .2458 | .2284 | .2468 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF27)

BETA ( 5 ) = 1.990 ALPHA ( 1 ) = .000 Q(PSF) = 43.192 PO/PSF = 2128.9 RUN NO = 169.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |         |
|------|--------|--------|--------|---------|
| .050 | -.6168 | -.4968 | -.6345 | -1.2182 |
| .230 | -.0584 | -.1336 | -.0012 | -.1125  |
| .410 | -.0271 | .0161  | -.0115 | -.0749  |
| .590 | -.0188 | .0377  | .0038  | -.0800  |
| .770 | -.1263 | .0120  | .0480  | -.0271  |
| .878 | -.3559 | -.1586 | -.0908 | -.1920  |

BETA ( 5 ) = 1.990 ALPHA ( 2 ) = 2.100 Q(PSF) = 43.192 PO/PSF = 2128.9 RUN NO = 169.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5725 | -.4860 | -.5381 | -.9932 |
| .230 | .0141  | .0316  | .0501  | -.0680 |
| .410 | -.0053 | .0686  | .0449  | -.0218 |
| .590 | .0089  | .0901  | .0809  | -.0098 |
| .770 | -.1105 | .0603  | .1158  | .0768  |
| .878 | -.3399 | -.1230 | -.0448 | -.1606 |

BETA ( 5 ) = 1.990 ALPHA ( 3 ) = 4.150 Q(PSF) = 43.192 PO/PSF = 2128.9 RUN NO = 169.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5779 | -.4640 | -.4264 | -.9165 |
| .230 | .0244  | .0934  | .0852  | -.0116 |
| .410 | .0172  | .1099  | .0893  | .0276  |
| .590 | .0327  | .1315  | .1315  | .0446  |
| .770 | -.0951 | .0975  | .1614  | .1738  |
| .878 | -.3229 | -.0888 | -.0136 | -.0679 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF27)

BETA ( 5 ) = 1.990 ALPHA ( 4 ) = 5.190 Q(PSF) = 43.192 PO/PSF = 2128.9 RUN NO = 169.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5752 | -.4335 | -.3751 | -.8199 |
| .230 | .0326  | .1086  | .1024  | .0122  |
| .410 | .0295  | .1312  | .1116  | .0479  |
| .590 | .0459  | .1527  | .1548  | .0717  |
| .770 | -.0802 | .1158  | .1815  | .2061  |
| .878 | -.3043 | -.0698 | -.0043 | -.0385 |

BETA ( 5 ) = 1.990 ALPHA ( 5 ) = 6.270 Q(PSF) = 43.192 PO/PSF = 2128.9 RUN NO = 169.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5520 | -.4048 | -.3349 | -.7080 |
| .230 | .0429  | .1272  | .1252  | .0445  |
| .410 | .0449  | .1529  | .1375  | .0752  |
| .590 | .0604  | .1755  | .1786  | .1024  |
| .770 | -.0667 | .1334  | .1982  | .2342  |
| .878 | -.2817 | -.0501 | .0038  | -.0229 |

BETA ( 5 ) = 1.990 ALPHA ( 6 ) = 8.320 Q(PSF) = 43.192 PO/PSF = 2128.9 RUN NO = 169.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4836 | -.3612 | -.2900 | -.4786 |
| .230 | .0688  | .1648  | .1648  | .0891  |
| .410 | .0668  | .1968  | .1823  | .1199  |
| .590 | .0853  | .2112  | .2153  | .1523  |
| .770 | -.0345 | .1586  | .2143  | .2700  |
| .878 | -.2313 | -.0240 | .0048  | -.0002 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF27)

BETA ( 5 ) = 1.990 ALPHA ( 7 ) = 10.400 Q(PSF) = 43.192 PO/PSF = 2128.9 RUN NO = 169.00

SECTION ( 1 ) MAIN LND GR R-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4367 | -.2722 | -.2241 | -.1472 |
| .230 | .1081  | .2154  | .2175  | .1216  |
| .410 | .0967  | .2412  | .2329  | .1660  |
| .590 | .1070  | .2464  | .2505  | .1917  |
| .770 | -.0074 | .1844  | .2329  | .2949  |
| .878 | -.1885 | -.0002 | .0183  | .0193  |

BETA ( 5 ) = 1.990 ALPHA ( 8 ) = 15.670 Q(PSF) = 43.192 PO/PSF = 2128.9 RUN NO = 169.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |       |       |       |
|------|--------|-------|-------|-------|
| .050 | .0100  | .1555 | .3205 | .3692 |
| .230 | .2359  | .3732 | .3958 | .2668 |
| .410 | .1926  | .3804 | .3917 | .3282 |
| .590 | .1782  | .3711 | .3958 | .3402 |
| .770 | .0513  | .2978 | .3649 | .4371 |
| .878 | -.1151 | .1039 | .1338 | .1534 |

BETA ( 5 ) = 1.990 ALPHA ( 9 ) = 20.920 Q(PSF) = 43.192 PO/PSF = 2128.9 RUN NO = 169.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .4435 | .6474 | .7232 | .5161 |
| .230 | .3625 | .5142 | .5275 | .3770 |
| .410 | .3020 | .4988 | .5080 | .4381 |
| .590 | .2846 | .4742 | .4978 | .4517 |
| .770 | .1688 | .3902 | .4414 | .5142 |
| .878 | .0151 | .2006 | .2200 | .2293 |



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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF27)

BETA ( 6 ) = 5.020 ALPHA ( 1 ) = .000 Q(PSF) = 43.203 PO/PSF = 2128.9 RUN NO = 170.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |         |
|------|--------|--------|--------|---------|
| .050 | -.6996 | -.5848 | -.5670 | -1.0544 |
| .230 | -.0543 | .0275  | .0234  | -.0766  |
| .410 | -.0689 | .0398  | .0151  | -.0458  |
| .590 | -.0532 | .0625  | .0522  | -.0389  |
| .770 | -.1806 | .0316  | .0861  | .0604   |
| .878 | -.4072 | -.1556 | -.0804 | -.2140  |

BETA ( 6 ) = 5.010 ALPHA ( 2 ) = 2.060 Q(PSF) = 43.203 PO/PSF = 2128.9 RUN NO = 170.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7446 | -.5336 | -.4678 | -.9450 |
| .230 | -.0449 | .0542  | .0491  | -.0475 |
| .410 | -.0438 | .0789  | .0563  | -.0133 |
| .590 | -.0250 | .0985  | .0944  | .0037  |
| .770 | -.1514 | .0542  | .1098  | .1345  |
| .878 | -.3655 | -.1389 | -.0919 | -.1336 |

BETA ( 6 ) = 5.010 ALPHA ( 3 ) = 4.160 Q(PSF) = 43.203 PO/PSF = 2128.9 RUN NO = 170.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7072 | -.5218 | -.4843 | -.5478 |
| .230 | -.0229 | .0890  | .0849  | .0156  |
| .410 | -.0146 | .1249  | .1054  | .0462  |
| .590 | .0038  | .1403  | .1393  | .0666  |
| .770 | -.1197 | .0890  | .1342  | .1680  |
| .878 | -.3187 | -.1000 | -.0822 | -.0989 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF27)

BETA ( 6 ) = 5.010 ALPHA ( 4 ) = 5.210 Q(PSF) = 43.203 PO/PSF = 2128.9 RUN NO = 170.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6456 | -.4758 | -.4061 | -.2881 |
| .230 | -.0064 | .1146  | .1136  | .0393  |
| .410 | .0007  | .1516  | .1362  | .0733  |
| .590 | .0182  | .1639  | .1629  | .0971  |
| .770 | -.1041 | .1075  | .1567  | .1967  |
| .878 | -.3009 | -.0812 | -.0645 | -.0801 |

BETA ( 6 ) = 5.020 ALPHA ( 5 ) = 6.250 Q(PSF) = 43.203 PO/PSF = 2128.9 RUN NO = 170.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5924 | -.4182 | -.3025 | -.1467 |
| .230 | .0110  | .1416  | .1436  | .0547  |
| .410 | .0131  | .1775  | .1642  | .0990  |
| .590 | .0295  | .1858  | .1888  | .1245  |
| .770 | -.0918 | .1272  | .1755  | .2228  |
| .878 | -.2826 | -.0626 | -.0459 | -.0730 |

BETA ( 6 ) = 5.010 ALPHA ( 6 ) = 8.320 Q(PSF) = 43.203 PO/PSF = 2128.9 RUN NO = 170.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4656 | -.2762 | -.1067 | .0634  |
| .230 | .0543  | .2029  | .2121  | .1061  |
| .410 | .0398  | .2317  | .2276  | .1574  |
| .590 | .0502  | .2348  | .2441  | .1813  |
| .770 | -.0774 | .1719  | .2224  | .2771  |
| .878 | -.2605 | -.0261 | -.0054 | -.0240 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF27)

BETA ( 6 ) = 5.010 ALPHA ( 7 ) = 10.410 Q(PSF) = 43.203 PO/PSF = 2128.9 RUN NO = 170.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |       |       |
|------|--------|--------|-------|-------|
| .050 | -.2668 | -.1088 | .0224 | .0959 |
| .230 | .0884  | .2585  | .2709 | .1386 |
| .410 | .0533  | .2750  | .2781 | .2035 |
| .590 | .0574  | .2740  | .2823 | .2188 |
| .770 | -.0690 | .2029  | .2544 | .3266 |
| .878 | -.2385 | .0048  | .0234 | .0234 |

BETA ( 6 ) = 5.010 ALPHA ( 8 ) = 15.660 Q(PSF) = 43.203 PO/PSF = 2128.9 RUN NO = 170.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |       |       |       |
|------|--------|-------|-------|-------|
| .050 | .1955  | .4192 | .5748 | .3706 |
| .230 | .2079  | .4099 | .4295 | .2545 |
| .410 | .1450  | .4016 | .4150 | .3279 |
| .590 | .1275  | .3841 | .4078 | .3262 |
| .770 | -.0002 | .2996 | .3553 | .4161 |
| .878 | -.1547 | .0986 | .1110 | .1172 |

BETA ( 6 ) = 5.010 ALPHA ( 9 ) = 20.940 Q(PSF) = 43.203 PO/PSF = 2128.9 RUN NO = 170.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |       |       |       |
|------|--------|-------|-------|-------|
| .050 | .5483  | .7650 | .8061 | .5803 |
| .230 | .3315  | .5514 | .5750 | .4051 |
| .410 | .2483  | .5133 | .5411 | .4715 |
| .590 | .2278  | .4887 | .5164 | .4646 |
| .770 | .1034  | .3952 | .4497 | .5123 |
| .878 | -.0365 | .1897 | .2082 | .2113 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF27)

BETA ( 7 ) = 10.070 ALPHA ( 1 ) = .010 Q(PSF) = 43.168 PO/PSF = 2129.0 RUN NO = 171.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.8849 | -.6386 | -.5948 | -.6259 |
| .230 | -.0751 | .0079  | -.0064 | -.0629 |
| .410 | -.0699 | .0460  | .0120  | -.0560 |
| .590 | -.0584 | .0593  | .0439  | -.0338 |
| .770 | -.1868 | .0100  | .0439  | .0696  |
| .878 | -.3736 | -.1753 | -.1638 | -.2035 |

BETA ( 7 ) = 10.070 ALPHA ( 2 ) = 2.080 Q(PSF) = 43.168 PO/PSF = 2129.0 RUN NO = 171.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5380 | -.3988 | -.3590 | -.4493 |
| .230 | -.0711 | .0637  | .0461  | -.0201 |
| .410 | -.0722 | .0987  | .0688  | -.0065 |
| .590 | -.0534 | .1101  | .0936  | .0105  |
| .770 | -.1633 | .0513  | .0771  | .1018  |
| .878 | -.3381 | -.1350 | -.1360 | -.1758 |

BETA ( 7 ) = 10.070 ALPHA ( 3 ) = 4.170 Q(PSF) = 43.168 PO/PSF = 2129.0 RUN NO = 171.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2980 | .0079  | .1213  | .0003  |
| .230 | -.0428 | .1574  | .1450  | .0344  |
| .410 | -.0606 | .1790  | .1574  | .0873  |
| .590 | -.0439 | .1780  | .1718  | .0890  |
| .770 | -.1589 | .1100  | .1388  | .1594  |
| .878 | -.3179 | -.0899 | -.0920 | -.1380 |

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OF POOR QUALITY

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TABULATED PRESSURE DATA - 0A163 ( NAAL-791 )

PAGE 1334

0A163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF27)

BETA ( 7 ) = 10.070 ALPHA ( 4 ) = 5.230 Q(PSF) = 43.168 PO/PSF = 2129.0 RUN NO = 171.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2333 | .1224  | .2534  | .1095  |
| .230 | -.0293 | .2059  | .2059  | .0771  |
| .410 | -.0711 | .2224  | .2142  | .1352  |
| .590 | -.0554 | .2193  | .2204  | .1386  |
| .770 | -.1726 | .1471  | .1771  | .2131  |
| .878 | -.3337 | -.0580 | -.0648 | -.1109 |

BETA ( 7 ) = 10.070 ALPHA ( 5 ) = 6.250 Q(PSF) = 43.168 PO/PSF = 2129.0 RUN NO = 171.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1995 | .1582  | .3436  | .1639  |
| .230 | -.0250 | .2416  | .2560  | .0974  |
| .410 | -.0783 | .2540  | .2571  | .1639  |
| .590 | -.0710 | .2478  | .2591  | .1724  |
| .770 | -.1953 | .1654  | .2138  | .2530  |
| .878 | -.3478 | -.0480 | -.0407 | -.0804 |

BETA ( 7 ) = 10.070 ALPHA ( 6 ) = 8.330 Q(PSF) = 43.168 PO/PSF = 2129.0 RUN NO = 171.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0793 | .2693  | .4556  | .2746  |
| .230 | -.0095 | .2992  | .3301  | .1485  |
| .410 | -.0825 | .3012  | .3228  | .2286  |
| .590 | -.0898 | .2848  | .3156  | .2337  |
| .770 | -.2203 | .1983  | .2611  | .3228  |
| .878 | -.3623 | -.0240 | -.0074 | -.0012 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF27)

BETA ( 7 ) = 10.070 ALPHA ( 7 ) = 10.410 Q(PSF) = 43.168 PO/PSF = 2129.0 RUN NO = 171.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |       |       |       |
|------|--------|-------|-------|-------|
| .050 | .0843  | .4538 | .5880 | .3625 |
| .230 | .0286  | .3506 | .3795 | .1951 |
| .410 | -.0534 | .3392 | .3661 | .2754 |
| .590 | -.0764 | .3186 | .3547 | .2737 |
| .770 | -.2146 | .2278 | .2938 | .3661 |
| .878 | -.3487 | .0038 | .0152 | .0358 |

BETA ( 7 ) = 10.070 ALPHA ( 8 ) = 15.690 Q(PSF) = 43.168 PO/PSF = 2129.0 RUN NO = 171.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |       |       |       |
|------|--------|-------|-------|-------|
| .050 | .4222  | .7345 | .7592 | .5037 |
| .230 | .1450  | .4769 | .5067 | .3074 |
| .410 | .0430  | .4408 | .4707 | .3774 |
| .590 | .0213  | .4130 | .4449 | .3552 |
| .770 | -.1171 | .3130 | .3717 | .4181 |
| .878 | -.2342 | .0863 | .1017 | .0502 |

BETA ( 7 ) = 10.070 ALPHA ( 9 ) = 20.930 Q(PSF) = 43.168 PO/PSF = 2129.0 RUN NO = 171.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |       |       |       |
|------|--------|-------|-------|-------|
| .050 | .6103  | .8593 | .8921 | .6093 |
| .230 | .2691  | .6021 | .6287 | .4278 |
| .410 | .1595  | .5447 | .5734 | .4871 |
| .590 | .1278  | .4897 | .5294 | .4481 |
| .770 | -.0043 | .3890 | .4382 | .4710 |
| .878 | -.1164 | .1687 | .1708 | .0714 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF28) ( 03 FEB 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0405

## PARAMETRIC DATA

MACH = .170 ELEVON = .000  
 BDFLAP = -11.700 SPDBRK = 85.000  
 PHI-N = 66.000 THETAN = 108.000  
 PHI-M = 88.000 THETAM = 98.000

BETA ( 1 ) = -10.080 ALPHA ( 1 ) = -.010 Q(PSF) = 43.316 PO/PSF = 2129.3 RUN NO = 172.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.5657 -.5814 -.8225 -1.3194  
 .230 -.5636 -.5146 -.4551 -.3898  
 .410 -.2066 -.1628 -.2129 -.2238  
 .590 -.1284 -.1304 -.2641 -.3197  
 .770 -.1680 -.1858 -.2547 -.2829  
 .878 -.3121 -.2912 -.3110 -.2776

BETA ( 1 ) = -10.080 ALPHA ( 2 ) = 2.060 Q(PSF) = 43.316 PO/PSF = 2129.3 RUN NO = 172.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.4842 -.5140 -.7455 -1.1042  
 .230 -.5234 -.4056 -.3045 -.3142  
 .410 -.1439 -.0375 -.1241 -.1500  
 .590 -.0458 -.0448 -.1616 -.2304  
 .770 -.0834 -.1136 -.1699 -.2085  
 .878 -.2461 -.2388 -.2575 -.2189

BETA ( 1 ) = -10.080 ALPHA ( 3 ) = 4.150 Q(PSF) = 43.316 PO/PSF = 2129.3 RUN NO = 172.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.4885 -.4292 -.6340 -.9387  
 .230 -.4677 -.2972 -.2390 -.1768  
 .410 -.1029 .0448 -.0322 -.0814  
 .590 .0099 .0396 -.0758 -.1376  
 .770 -.0218 -.0343 -.0914 -.1309  
 .878 -.1881 -.1756 -.2037 -.1590

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF28)

BETA ( 1 ) = -10.080 ALPHA ( 4 ) = 6.230 Q(PSF) = 43.316 PO/PSF = 2129.3 RUN NO = 172.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4411 | -.3422 | -.5222 | -.7826 |
| .230 | -.3547 | -.2018 | -.1373 | -.0746 |
| .410 | -.0249 | .1135  | .0366  | -.0149 |
| .590 | .0540  | .1032  | .0089  | -.0541 |
| .770 | .0130  | .0325  | -.0105 | -.0551 |
| .878 | -.1539 | -.1123 | -.1373 | -.0998 |

BETA ( 1 ) = -10.080 ALPHA ( 5 ) = 8.340 Q(PSF) = 43.316 PO/PSF = 2129.3 RUN NO = 172.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3829 | -.2580 | -.4214 | -.7759 |
| .230 | -.1883 | -.1217 | -.0489 | .0020  |
| .410 | .0489  | .1463  | .1043  | .0308  |
| .590 | .1104  | .1535  | .0828  | .0223  |
| .770 | .0612  | .1063  | .0971  | .0387  |
| .878 | -.1030 | -.0385 | -.0510 | -.0301 |

BETA ( 1 ) = -10.080 ALPHA ( 6 ) = 10.430 Q(PSF) = 43.316 PO/PSF = 2129.3 RUN NO = 172.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3415 | -.1864 | -.3030 | -.6417 |
| .230 | -.0074 | -.0187 | .0407  | .0886  |
| .410 | .1259  | .1937  | .1711  | .0988  |
| .590 | .1731  | .2060  | .1721  | .1039  |
| .770 | .1198  | .1639  | .1731  | .1331  |
| .878 | -.0458 | .0151  | .0171  | .0284  |



DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF28)

BETA ( 1 ) = -10.080    ALPHA ( 7 ) = 15.630    Q(PSF) = 43.316    PO/PSF = 2129.3    RUN NO = 172.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML      .0760    .3100    .5820    .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2182 | -.0167 | -.0522 | -.3385 |
| .230 | .2518  | .2590  | .2724  | .2149  |
| .410 | .2898  | .3156  | .3022  | .2609  |
| .590 | .3115  | .3259  | .3248  | .2899  |
| .770 | .2446  | .2868  | .3320  | .3619  |
| .878 | .0779  | .1396  | .1787  | .1972  |

BETA ( 1 ) = -10.090    ALPHA ( 8 ) = 20.920    Q(PSF) = 43.316    PO/PSF = 2129.3    RUN NO = 172.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML      .0760    .3100    .5820    .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .0109 | .1419 | .1142 | .0392 |
| .230 | .3791 | .4088 | .4047 | .3525 |
| .410 | .3986 | .4190 | .4180 | .3796 |
| .590 | .4139 | .4303 | .4456 | .4152 |
| .770 | .3403 | .3914 | .4415 | .4988 |
| .878 | .1869 | .2533 | .2840 | .2912 |

BETA ( 2 ) = -5.050    ALPHA ( 1 ) = -.030    Q(PSF) = 43.334    PO/PSF = 2129.1    RUN NO = 173.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML      .0760    .3100    .5820    .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5908 | -.5189 | -.7451 | -.9395 |
| .230 | -.4627 | -.3772 | -.1948 | -.1927 |
| .410 | -.0948 | -.0291 | -.1031 | -.1431 |
| .590 | -.0302 | -.0323 | -.1625 | -.1858 |
| .770 | -.0927 | -.1021 | -.1865 | -.2115 |
| .878 | -.2657 | -.2417 | -.2730 | -.2355 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF28)

BETA ( 2 ) = -5.050 ALPHA ( 2 ) = 2.070 Q(PSF) = 43.334 PO/PSF = 2129.1 RUN NO = 173.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5661 | -.4329 | -.6587 | -.8852 |
| .230 | -.3475 | -.2778 | -.1207 | -.1275 |
| .410 | -.0291 | .0192  | -.0426 | -.0917 |
| .590 | .0192  | .0264  | -.0749 | -.1207 |
| .770 | -.0395 | -.0291 | -.0905 | -.1457 |
| .878 | -.2237 | -.1779 | -.1935 | -.1925 |

BETA ( 2 ) = -5.060 ALPHA ( 3 ) = 4.150 Q(PSF) = 43.334 PO/PSF = 2129.1 RUN NO = 173.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5415 | -.3617 | -.5384 | -.9148 |
| .230 | -.1704 | -.1871 | -.0935 | -.0524 |
| .410 | .0386  | .0571  | .0294  | -.0490 |
| .590 | .0724  | .0755  | .0161  | -.0575 |
| .770 | .0079  | .0396  | .0355  | -.0395 |
| .878 | -.1850 | -.1174 | -.0925 | -.1663 |

BETA ( 2 ) = -5.060 ALPHA ( 4 ) = 6.260 Q(PSF) = 43.334 PO/PSF = 2129.1 RUN NO = 173.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4657 | -.2956 | -.4294 | -.8841 |
| .230 | .0007  | -.0809 | .0089  | .0036  |
| .410 | .0978  | .1101  | .0917  | .0223  |
| .590 | .1203  | .1265  | .0948  | .0172  |
| .770 | .0467  | .0917  | .1142  | .0580  |
| .878 | -.1545 | -.0653 | -.0207 | -.0767 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF28)

BETA ( 2 ) = -5.050 ALPHA ( 5 ) = 8.310 Q(PSF) = 43.334 PO/PSF = 2129.1 RUN NO = 173.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3976 | -.2373 | -.3289 | -.7301 |
| .230 | .1064  | .0346  | .0982  | .0291  |
| .410 | .1433  | .1618  | .1464  | .0835  |
| .590 | .1618  | .1761  | .1659  | .0920  |
| .770 | .0766  | .1423  | .1864  | .1669  |
| .878 | -.1249 | -.0229 | .0346  | -.0023 |

BETA ( 2 ) = -5.060 ALPHA ( 6 ) = 10.450 Q(PSF) = 43.334 PO/PSF = 2129.1 RUN NO = 173.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3285 | -.1929 | -.2419 | -.6495 |
| .230 | .1672  | .1662  | .1755  | .0990  |
| .410 | .1837  | .2114  | .1919  | .1415  |
| .590 | .1981  | .2279  | .2248  | .1602  |
| .770 | .1056  | .1868  | .2443  | .2659  |
| .878 | -.0970 | .0182  | .0829  | .0799  |

BETA ( 2 ) = -5.060 ALPHA ( 7 ) = 15.700 Q(PSF) = 43.334 PO/PSF = 2129.1 RUN NO = 173.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1270 | -.0687 | -.0635 | -.1925 |
| .230 | .2665  | .3054  | .3003  | .2449  |
| .410 | .2726  | .3229  | .3167  | .2704  |
| .590 | .2818  | .3352  | .3475  | .3044  |
| .770 | .1792  | .2911  | .3506  | .4101  |
| .878 | -.0033 | .1290  | .1669  | .1792  |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

PAGE 1341

OA163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF28)

BETA ( 2 ) = -5.060 ALPHA ( 8 ) = 20.910 Q(PSF) = 43.334 PO/PSF = 2129.1 RUN NO = 173.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .1116 | .1743 | .2585 | .2690 |
| .230 | .3951 | .4362 | .4454 | .3455 |
| .410 | .3776 | .4454 | .4495 | .4016 |
| .590 | .3725 | .4444 | .4649 | .4237 |
| .770 | .2667 | .3838 | .4475 | .5173 |
| .878 | .0993 | .2246 | .2616 | .2688 |

BETA ( 3 ) = -2.020 ALPHA ( 1 ) = -.020 Q(PSF) = 43.248 PO/PSF = 2129.1 RUN NO = 174.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |         |
|------|--------|--------|--------|---------|
| .050 | -.6580 | -.4797 | -.7049 | -1.0684 |
| .230 | -.3034 | -.3055 | -.1606 | -.1364  |
| .410 | -.0386 | -.0250 | -.0730 | -.1398  |
| .590 | -.0023 | -.0095 | -.0890 | -.1449  |
| .770 | -.0709 | -.0396 | -.0646 | -.1428  |
| .878 | -.2753 | -.1950 | -.1720 | -.2388  |

BETA ( 3 ) = -2.010 ALPHA ( 2 ) = 2.080 Q(PSF) = 43.248 PO/PSF = 2129.1 RUN NO = 174.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |         |
|------|--------|--------|--------|---------|
| .050 | -.5952 | -.4198 | -.6036 | -1.0014 |
| .230 | -.1368 | -.2099 | -.0752 | -.0852  |
| .410 | .0172  | .0265  | -.0023 | -.0766  |
| .590 | .0347  | .0450  | -.0054 | -.0835  |
| .770 | -.0459 | .0162  | .0306  | -.0511  |
| .878 | -.2600 | -.1472 | -.0929 | -.1911  |

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF28)

BETA ( 3 ) = -2.020 ALPHA ( 3 ) = 4.130 Q(PSF) = 43.248 PO/PSF = 2129.1 RUN NO = 174.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |         |
|------|--------|--------|--------|---------|
| .050 | -.5191 | -.3649 | -.4952 | -1.0339 |
| .230 | -.0095 | -.0813 | .0233  | -.0474  |
| .410 | .0552  | .0778  | .0562  | -.0081  |
| .590 | .0696  | .0963  | .0706  | -.0098  |
| .770 | -.0250 | .0624  | .1024  | .0408   |
| .878 | -.2387 | -.1053 | -.0417 | -.1167  |

BETA ( 3 ) = -2.020 ALPHA ( 4 ) = 5.180 Q(PSF) = 43.248 PO/PSF = 2129.1 RUN NO = 174.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4801 | -.3444 | -.4498 | -.9067 |
| .230 | .0432  | -.0156 | .0614  | -.0338 |
| .410 | .0738  | .1046  | .0871  | .0190  |
| .590 | .0861  | .1211  | .1087  | .0275  |
| .770 | -.0105 | .0882  | .1365  | .0954  |
| .878 | -.2306 | -.0845 | -.0167 | -.0918 |

BETA ( 3 ) = -2.010 ALPHA ( 5 ) = 6.230 Q(PSF) = 43.248 PO/PSF = 2129.1 RUN NO = 174.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4524 | -.3325 | -.4076 | -.8117 |
| .230 | .0829  | .0583  | .0953  | -.0013 |
| .410 | .0922  | .1271  | .1096  | .0462  |
| .590 | .1035  | .1466  | .1405  | .0598  |
| .770 | .0007  | .1107  | .1662  | .1528  |
| .878 | -.2200 | -.0646 | .0059  | -.0573 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF28)

BETA ( 3 ) = -2.010 ALPHA ( 6 ) = 8.310 Q(PSF) = 43.248 PO/PSF = 2129.1 RUN NO = 174.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3944 | -.3120 | -.3172 | -.7474 |
| .230 | .1303  | .1560  | .1478  | .0582  |
| .410 | .1231  | .1735  | .1560  | .0990  |
| .590 | .1355  | .1941  | .1951  | .1178  |
| .770 | .0254  | .1571  | .2177  | .2435  |
| .878 | -.1941 | -.0250 | .0408  | .0388  |

BETA ( 3 ) = -2.010 ALPHA ( 7 ) = 10.380 Q(PSF) = 43.248 PO/PSF = 2129.1 RUN NO = 174.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3228 | -.2601 | -.2298 | -.5462 |
| .230 | .1490  | .2005  | .1964  | .1230  |
| .410 | .1521  | .2201  | .2077  | .1537  |
| .590 | .1655  | .2386  | .2448  | .1861  |
| .770 | .0522  | .1954  | .2582  | .3014  |
| .878 | -.1567 | .0193  | .0677  | .0594  |

BETA ( 3 ) = -2.010 ALPHA ( 8 ) = 15.690 Q(PSF) = 43.248 PO/PSF = 2129.1 RUN NO = 174.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1677 | -.0604 | -.0115 | -.0235 |
| .230 | .2502  | .3221  | .3282  | .2365  |
| .410 | .2327  | .3395  | .3405  | .2892  |
| .590 | .2348  | .3446  | .3631  | .3130  |
| .770 | .1167  | .2882  | .3549  | .4288  |
| .878 | -.0646 | .1147  | .1578  | .1670  |

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OF POOR QUALITY

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF28)

BETA ( 3 ) = -2.020 ALPHA ( 9 ) = 20.950 Q(PSF) = 43.248 PO/PSF = 2129.1 RUN NO = 174.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .2528 | .3204 | .4884 | .5092 |
| .230 | .3829 | .4659 | .4761 | .3565 |
| .410 | .3522 | .4659 | .4700 | .4159 |
| .590 | .3368 | .4557 | .4741 | .4227 |
| .770 | .2220 | .3819 | .4382 | .5141 |
| .878 | .0642 | .2108 | .2395 | .2538 |

BETA ( 4 ) = -.010 ALPHA ( 1 ) = -.020 Q(PSF) = 43.250 PO/PSF = 2129.1 RUN NO = 175.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |         |
|------|--------|--------|--------|---------|
| .050 | -.6520 | -.4778 | -.6760 | -1.0278 |
| .230 | -.1617 | -.2493 | -.0845 | -.1193  |
| .410 | -.0250 | -.0095 | -.0438 | -.1108  |
| .590 | -.0074 | .0089  | -.0438 | -.1227  |
| .770 | -.1001 | -.0167 | -.0054 | -.0970  |
| .878 | -.3171 | -.1773 | -.1231 | -.2305  |

BETA ( 4 ) = -.010 ALPHA ( 2 ) = 2.070 Q(PSF) = 43.250 PO/PSF = 2129.1 RUN NO = 175.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |         |
|------|--------|--------|--------|---------|
| .050 | -.5764 | -.4323 | -.5722 | -1.1401 |
| .230 | -.0386 | -.1180 | .0059  | -.0800  |
| .410 | .0090  | .0429  | .0172  | -.0458  |
| .590 | .0213  | .0584  | .0337  | -.0526  |
| .770 | -.0793 | .0316  | .0707  | -.0002  |
| .878 | -.3038 | -.1399 | -.0720 | -.1608  |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF2B)

BETA ( 4 ) = -.010 ALPHA ( 3 ) = 4.140 Q(PSF) = 43.250 PO/PSF = 2129.1 RUN NO = 175.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5920 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5161 | -.4170 | -.4817 | -.9126 |
| .230 | .0449  | .0326  | .0655  | -.0406 |
| .410 | .0398  | .0942  | .0737  | .0037  |
| .590 | .0521  | .1117  | .1014  | .0190  |
| .770 | -.0615 | .0798  | .1374  | .1086  |
| .878 | -.2898 | -.1022 | -.0250 | -.1147 |

BETA ( 4 ) = -.010 ALPHA ( 4 ) = 5.190 Q(PSF) = 43.250 PO/PSF = 2129.1 RUN NO = 175.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5920 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4987 | -.4121 | -.4309 | -.8892 |
| .230 | .0676  | .0953  | .0922  | -.0081 |
| .410 | .0532  | .1179  | .0953  | .0326  |
| .590 | .0686  | .1395  | .1323  | .0496  |
| .770 | -.0511 | .1025  | .1642  | .1622  |
| .878 | -.2785 | -.0803 | -.0074 | -.0720 |

BETA ( 4 ) = -.010 ALPHA ( 5 ) = 6.240 Q(PSF) = 43.250 PO/PSF = 2129.1 RUN NO = 175.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5920 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4880 | -.3950 | -.3772 | -.8342 |
| .230 | .0749  | .1253  | .1130  | .0190  |
| .410 | .0697  | .1408  | .1192  | .0651  |
| .590 | .0811  | .1624  | .1604  | .0804  |
| .770 | -.0407 | .1223  | .1913  | .2057  |
| .878 | -.2685 | -.0627 | .0110  | -.0115 |



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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFF728)

BETA ( 4 ) = -.010 ALPHA ( 6 ) = 8.310 Q(PSF) = 43.250 PO/PSF = 2129.1 RUN NO = 175.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4515 | -.3441 | -.2878 | -.6305 |
| .230 | .0963  | .1610  | .1580  | .0802  |
| .410 | .0963  | .1847  | .1713  | .1143  |
| .590 | .1076  | .2042  | .2093  | .1432  |
| .770 | -.0156 | .1610  | .2278  | .2638  |
| .878 | -.2294 | -.0208 | .0305  | .0172  |

BETA ( 4 ) = -.010 ALPHA ( 7 ) = 10.400 Q(PSF) = 43.250 PO/PSF = 2129.1 RUN NO = 175.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3804 | -.2853 | -.2215 | -.4040 |
| .230 | .1253  | .2016  | .2016  | .1333  |
| .410 | .1192  | .2294  | .2201  | .1623  |
| .590 | .1326  | .2458  | .2572  | .1981  |
| .770 | .0079  | .1974  | .2664  | .3221  |
| .878 | -.1954 | .0141  | .0635  | .0708  |

BETA ( 4 ) = -.010 ALPHA ( 8 ) = 15.640 Q(PSF) = 43.250 PO/PSF = 2129.1 RUN NO = 175.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |       |       |
|------|--------|--------|-------|-------|
| .050 | -.1578 | -.0074 | .0683 | .0986 |
| .230 | .2300  | .3273  | .3354 | .2189 |
| .410 | .2075  | .3426  | .3426 | .2799 |
| .590 | .2054  | .3385  | .3528 | .2952 |
| .770 | .0877  | .2740  | .3283 | .4010 |
| .878 | -.0841 | .0959  | .1225 | .1317 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB+OP MAIN GEAR DOOR INNER SURFACE

(RFFF28)

BETA ( 4 ) = -.010 ALPHA ( 9 ) = 20.930 Q(PSF) = 43.250 PO/PSF = 2129.1 RUN NO = 175.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

|       |       |       |       |       |
|-------|-------|-------|-------|-------|
| Y/BML | .0760 | .3100 | .5820 | .8530 |
| X/CML |       |       |       |       |
| .050  | .3362 | .4644 | .6378 | .5133 |
| .230  | .3762 | .4860 | .5065 | .3723 |
| .410  | .3280 | .4798 | .4901 | .4351 |
| .590  | .3095 | .4644 | .4870 | .4419 |
| .770  | .1946 | .3834 | .4418 | .5137 |
| .878  | .0376 | .2018 | .2264 | .2459 |

BETA ( 5 ) = 2.000 ALPHA ( 1 ) = .000 Q(PSF) = 43.271 PO/PSF = 2129.1 RUN NO = 176.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

|       |        |        |        |         |
|-------|--------|--------|--------|---------|
| Y/BML | .0760  | .3100  | .5820  | .8530   |
| X/CML |        |        |        |         |
| .050  | -.6320 | -.5035 | -.6519 | -1.2297 |
| .230  | -.0658 | -.1441 | -.0105 | -.1178  |
| .410  | -.0324 | .0100  | -.0177 | -.0835  |
| .590  | -.0240 | .0326  | -.0023 | -.0886  |
| .770  | -.1337 | .0048  | .0378  | -.0355  |
| .878  | -.3614 | -.1682 | -.1003 | -.1985  |

BETA ( 5 ) = 2.000 ALPHA ( 2 ) = 2.070 Q(PSF) = 43.271 PO/PSF = 2129.1 RUN NO = 176.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

|       |        |        |        |         |
|-------|--------|--------|--------|---------|
| Y/BML | .0760  | .3100  | .5820  | .8530   |
| X/CML |        |        |        |         |
| .050  | -.5778 | -.4944 | -.5465 | -1.0121 |
| .230  | .0038  | .0120  | .0408  | .0731   |
| .410  | -.0125 | .0593  | .0377  | -.0269  |
| .590  | .0007  | .0799  | .0665  | -.0167  |
| .770  | -.1199 | .0501  | .1035  | .0634   |
| .878  | -.3504 | -.1356 | -.0542 | -.1721  |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB\*GP

MAIN GEAR DOOR INNER SURFACE

(RFFF28)

BETA ( 5 ) = 2.000 ALPHA ( 3 ) = 4.160 Q(PSF) = 43.271 PO/PSF = 2129.1 RUN NO = 176.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5851 | -.4685 | -.4373 | -.9182 |
| .230 | .0212  | .0879  | .0777  | -.0183 |
| .410 | .0141  | .1054  | .0808  | .0207  |
| .590 | .0264  | .1249  | .1249  | .0376  |
| .770 | -.1010 | .0890  | .1557  | .1608  |
| .878 | -.3259 | -.0978 | -.0198 | -.0749 |

BETA ( 5 ) = 2.000 ALPHA ( 4 ) = 5.180 Q(PSF) = 43.271 PO/PSF = 2129.1 RUN NO = 176.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5886 | -.4425 | -.3903 | -.8382 |
| .230 | .0295  | .1036  | .0974  | .0054  |
| .410 | .0233  | .1242  | .1036  | .0445  |
| .590 | .0408  | .1468  | .1478  | .0633  |
| .770 | -.0887 | .1077  | .1756  | .1992  |
| .878 | -.3141 | -.0814 | -.0105 | -.0292 |

BETA ( 5 ) = 2.000 ALPHA ( 5 ) = 6.230 Q(PSF) = 43.271 PO/PSF = 2129.1 RUN NO = 176.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5672 | -.4129 | -.3482 | -.7314 |
| .230 | .0387  | .1210  | .1189  | .0292  |
| .410 | .0377  | .1466  | .1312  | .0666  |
| .590 | .0531  | .1662  | .1693  | .0939  |
| .770 | -.0761 | .1251  | .1908  | .2227  |
| .878 | -.2919 | -.0594 | -.0033 | -.0312 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF28)

BETA ( 5 ) = 2.000 ALPHA ( 6 ) = 8.330 Q(PSF) = 43.271 PO/PSF = 2129.1 RUN NO = 176.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4945 | -.3680 | -.2938 | -.5037 |
| .230 | .0636  | .1584  | .1594  | .0822  |
| .410 | .0615  | .1883  | .1739  | .1129  |
| .590 | .0790  | .2048  | .2099  | .1453  |
| .770 | -.0397 | .1532  | .2110  | .2676  |
| .878 | -.2405 | -.0313 | -.0023 | -.0023 |

BETA ( 5 ) = 2.000 ALPHA ( 7 ) = 10.420 Q(PSF) = 43.271 PO/PSF = 2129.1 RUN NO = 176.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4442 | -.2826 | -.2294 | -.1842 |
| .230 | .1014  | .2094  | .2094  | .1160  |
| .410 | .0912  | .2361  | .2258  | .1619  |
| .590 | .1025  | .2392  | .2474  | .1875  |
| .770 | -.0146 | .1765  | .2279  | .2916  |
| .878 | -.1981 | -.0053 | .0110  | .0141  |

BETA ( 5 ) = 2.000 ALPHA ( 8 ) = 15.680 Q(PSF) = 43.271 PO/PSF = 2129.1 RUN NO = 176.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |       |       |       |
|------|--------|-------|-------|-------|
| .050 | -.0074 | .1409 | .2985 | .3561 |
| .230 | .2269  | .3661 | .3865 | .2612 |
| .410 | .1870  | .3702 | .3825 | .3222 |
| .590 | .1716  | .3630 | .3886 | .3341 |
| .770 | .0447  | .2893 | .3538 | .4306 |
| .878 | -.1235 | .0979 | .1266 | .1532 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF28)

BETA ( 5 ) = 2.000 ALPHA ( 9 ) = 20.960 Q(PSF) = 43.271 PO/PSF = 2129.1 RUN NO = 176.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .4337 | .6333 | .7193 | .5172 |
| .230 | .3569 | .5053 | .5238 | .3731 |
| .410 | .2965 | .4931 | .5023 | .4375 |
| .590 | .2781 | .4726 | .4879 | .4426 |
| .770 | .1604 | .3856 | .4347 | .5135 |
| .878 | .0089 | .1983 | .2105 | .2300 |

BETA ( 6 ) = 5.030 ALPHA ( 1 ) = .000 Q(PSF) = 43.320 PO/PSF = 2129.2 RUN NO = 177.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |         |
|------|--------|--------|--------|---------|
| .050 | -.7075 | -.5941 | -.5816 | -1.0592 |
| .230 | -.0582 | .0161  | .0140  | -.0883  |
| .410 | -.0770 | .0325  | .0069  | -.0542  |
| .590 | -.0593 | .0510  | .0417  | -.0507  |
| .770 | -.1883 | .0202  | .0776  | .0479   |
| .878 | -.4172 | -.1644 | -.0895 | -.2237  |

BETA ( 6 ) = 5.030 ALPHA ( 2 ) = 2.110 Q(PSF) = 43.320 PO/PSF = 2129.2 RUN NO = 177.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7483 | -.5477 | -.4708 | -.9609 |
| .230 | -.0509 | .0478  | .0437  | -.0541 |
| .410 | -.0499 | .0734  | .0489  | -.0186 |
| .590 | -.0311 | .0909  | .0878  | -.0013 |
| .770 | -.1600 | .0458  | .1021  | .1267  |
| .878 | -.3762 | -.1455 | -.0935 | -.1372 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF28)

BETA ( 6 ) = 5.030 ALPHA ( 3 ) = 4.110 Q(PSF) = 43.320 PO/PSF = 2129.2 RUN NO = 177.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7221 | -.5327 | -.4901 | -.6122 |
| .230 | -.0249 | .0807  | .0766  | .0003  |
| .410 | -.0208 | .1187  | .0981  | .0359  |
| .590 | -.0012 | .1330  | .1299  | .0563  |
| .770 | -.1280 | .0797  | .1289  | .1628  |
| .878 | -.3319 | -.1082 | -.0895 | -.1061 |

BETA ( 6 ) = 5.030 ALPHA ( 4 ) = 5.190 Q(PSF) = 43.320 PO/PSF = 2129.2 RUN NO = 177.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6656 | -.4936 | -.4330 | -.3178 |
| .230 | -.0136 | .1046  | .1035  | .0309  |
| .410 | -.0074 | .1437  | .1282  | .0650  |
| .590 | .0120  | .1570  | .1580  | .0888  |
| .770 | -.1137 | .1015  | .1498  | .1899  |
| .878 | -.3130 | -.0887 | -.0720 | -.0856 |

BETA ( 6 ) = 5.030 ALPHA ( 5 ) = 6.230 Q(PSF) = 43.320 PO/PSF = 2129.2 RUN NO = 177.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6102 | -.4335 | -.3358 | -.1700 |
| .230 | .0038  | .1349  | .1349  | .0495  |
| .410 | .0089  | .1688  | .1575  | .0936  |
| .590 | .0212  | .1800  | .1810  | .1173  |
| .770 | -.1019 | .1206  | .1688  | .2169  |
| .878 | -.2921 | -.0707 | -.0571 | -.0769 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF28)

BETA ( 6 ) = 5.030 ALPHA ( 6 ) = 8.330 Q(PSF) = 43.320 PO/PSF = 2129.2 RUN NO = 177.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4759 | -.2939 | -.1244 | .0464  |
| .230 | .0492  | .1945  | .2048  | .0976  |
| .410 | .0368  | .2234  | .2213  | .1590  |
| .590 | .0440  | .2285  | .2378  | .1761  |
| .770 | -.0805 | .1636  | .2162  | .2708  |
| .878 | -.2688 | -.0313 | -.0136 | -.0282 |

BETA ( 6 ) = 5.030 ALPHA ( 7 ) = 10.380 Q(PSF) = 43.320 PO/PSF = 2129.2 RUN NO = 177.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |       |
|------|--------|--------|--------|-------|
| .050 | -.2966 | -.1284 | -.0002 | .0855 |
| .230 | .0810  | .2529  | .2632  | .1315 |
| .410 | .0501  | .2704  | .2715  | .1997 |
| .590 | .0512  | .2684  | .2807  | .2185 |
| .770 | -.0731 | .1984  | .2519  | .3240 |
| .878 | -.2486 | -.0023 | .0234  | .0275 |

BETA ( 6 ) = 5.030 ALPHA ( 8 ) = 15.630 Q(PSF) = 43.320 PO/PSF = 2129.2 RUN NO = 177.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |       |       |       |
|------|--------|-------|-------|-------|
| .050 | .1704  | .3862 | .5498 | .3660 |
| .230 | .2011  | .3974 | .4158 | .2491 |
| .410 | .1387  | .3903 | .4046 | .3188 |
| .590 | .1224  | .3749 | .3974 | .3186 |
| .770 | -.0074 | .2921 | .3484 | .4097 |
| .878 | -.1577 | .0897 | .1040 | .1163 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

PAGE 1353

OA163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF28)

BETA ( 6 ) = 5.030 ALPHA ( 9 ) = 20.910 Q(PSF) = 43.320 PO/PSF = 2129.2 RUN NO = 177.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |       |       |       |
|------|--------|-------|-------|-------|
| .050 | .5412  | .7603 | .7951 | .5681 |
| .230 | .3283  | .5453 | .5658 | .4003 |
| .410 | .2413  | .5095 | .5320 | .4664 |
| .590 | .2239  | .4859 | .5105 | .4613 |
| .770 | .0980  | .3918 | .4460 | .5085 |
| .878 | -.0436 | .1850 | .2044 | .2095 |

BETA ( 7 ) = 10.080 ALPHA ( 1 ) = -.010 Q(PSF) = 43.330 PO/PSF = 2129.3 RUN NO = 178.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.9187 | -.6543 | -.6135 | -.6492 |
| .230 | -.0805 | -.0054 | -.0146 | -.0733 |
| .410 | -.0721 | .0378  | .0028  | -.0630 |
| .590 | -.0637 | .0512  | .0357  | -.0458 |
| .770 | -.1944 | -.0002 | .0368  | .0625  |
| .878 | -.3878 | -.1850 | -.1724 | -.2111 |

BETA ( 7 ) = 10.080 ALPHA ( 2 ) = 2.060 Q(PSF) = 43.330 PO/PSF = 2129.3 RUN NO = 178.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5699 | -.4118 | -.4098 | -.4840 |
| .230 | -.0738 | .0550  | .0376  | -.0251 |
| .410 | -.0728 | .0899  | .0622  | -.0115 |
| .590 | -.0603 | .1022  | .0878  | .0037  |
| .770 | -.1705 | .0448  | .0714  | .0981  |
| .878 | -.3422 | -.1404 | -.1425 | -.1809 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF28)

BETA ( 7 ) = 10.080 ALPHA ( 3 ) = 4.150 Q(PSF) = 43.330 PO/PSF = 2129.3 RUN NO = 178.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3164 | -.0333 | .0982  | -.0252 |
| .230 | -.0468 | .1382  | .1351  | .0274  |
| .410 | -.0635 | .1659  | .1474  | .0750  |
| .590 | -.0489 | .1679  | .1608  | .0784  |
| .770 | -.1613 | .1023  | .1290  | .1536  |
| .878 | -.3268 | -.0999 | -.1009 | -.1446 |

BETA ( 7 ) = 10.080 ALPHA ( 4 ) = 5.190 Q(PSF) = 43.330 PO/PSF = 2129.3 RUN NO = 178.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2622 | .0889  | .2305  | .0886  |
| .230 | -.0333 | .1935  | .1905  | .0665  |
| .410 | -.0897 | .2100  | .2028  | .1225  |
| .590 | -.0551 | .2089  | .2100  | .1259  |
| .770 | -.1717 | .1351  | .1689  | .1987  |
| .878 | -.3382 | -.0749 | -.0728 | -.1165 |

BETA ( 7 ) = 10.080 ALPHA ( 5 ) = 6.230 Q(PSF) = 43.330 PO/PSF = 2129.3 RUN NO = 178.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2136 | .1517  | .3161  | .1482  |
| .230 | -.0250 | .2329  | .2452  | .0904  |
| .410 | -.0792 | .2483  | .2513  | .1584  |
| .590 | -.0698 | .2390  | .2503  | .1652  |
| .770 | -.1969 | .1610  | .2051  | .2472  |
| .878 | -.3543 | -.0562 | -.0510 | -.0771 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF28)

BETA ( 7 ) = 10.080 ALPHA ( 6 ) = 8.330 Q(PSF) = 43.330 PO/PSF = 2129.3 RUN NO = 178.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0935 | .2476  | .4391  | .2598  |
| .230 | -.0125 | .2916  | .3183  | .1410  |
| .410 | -.0831 | .2947  | .3162  | .2191  |
| .590 | -.0883 | .2804  | .3111  | .2275  |
| .770 | -.2255 | .1953  | .2588  | .3213  |
| .878 | -.3679 | -.0270 | -.0145 | -.0053 |

BETA ( 7 ) = 10.080 ALPHA ( 7 ) = 10.440 Q(PSF) = 43.330 PO/PSF = 2129.3 RUN NO = 178.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |       |       |
|------|--------|--------|-------|-------|
| .050 | .0716  | .4353  | .5699 | .3592 |
| .230 | .0264  | .3459  | .3757 | .1874 |
| .410 | -.0594 | .3367  | .3603 | .2690 |
| .590 | -.0761 | .3151  | .3521 | .2673 |
| .770 | -.2178 | .2247  | .2884 | .3644 |
| .878 | -.3502 | -.0012 | .0151 | .0315 |

BETA ( 7 ) = 10.080 ALPHA ( 8 ) = 15.670 Q(PSF) = 43.330 PO/PSF = 2129.3 RUN NO = 178.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |       |       |       |
|------|--------|-------|-------|-------|
| .050 | .4104  | .7300 | .7495 | .4972 |
| .230 | .1421  | .4750 | .5036 | .3039 |
| .410 | .0427  | .4360 | .4627 | .3700 |
| .590 | .0171  | .4104 | .4453 | .3513 |
| .770 | -.1174 | .3101 | .3695 | .4186 |
| .878 | -.2348 | .0868 | .0980 | .0571 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFF2B)

BETA ( 7 ) = 10.080    ALPHA ( 9 ) = 20.930    Q(PSF) = 43.330    PO/PSF = 2129.3    RUN NO = 178.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML      .0760    .3100    .5820    .8530

X/CML

|      |        |       |       |       |
|------|--------|-------|-------|-------|
| .050 | .3034  | .8571 | .8919 | .6102 |
| .230 | .2657  | .5972 | .6269 | .4238 |
| .410 | .1562  | .5430 | .5747 | .4865 |
| .590 | .1245  | .5000 | .5307 | .4459 |
| .770 | -.0033 | .3865 | .4387 | .4745 |
| .878 | -.1162 | .1665 | .1675 | .0795 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF29) ( 03 FEB 76 )

## REFERENCE DATA

## PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0405

MACH = .170 ELEVON = 10.000  
 BDI LAP = -11.700 SPOBRK = .000  
 PHI-N = 66.000 THETAN = 108.000  
 PHI-M = 88.000 THETAM = 98.000

BETA ( 1 ) = -10.080 ALPHA ( 1 ) = .120 Q(PSF) = 43.177 PO/PSF = 2127.0 RUN NO = 179.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.5213 -.5308 -.7580 -1.2100  
 .230 -.5193 -.4439 -.3863 -.3601  
 .410 -.1497 -.0879 -.1507 -.1661  
 .590 -.0743 -.0722 -.1947 -.2519  
 .770 -.1026 -.1172 -.1895 -.2293  
 .878 -.2439 -.2272 -.2481 -.2156

BETA ( 1 ) = -10.090 ALPHA ( 2 ) = 2.210 Q(PSF) = 43.177 PO/PSF = 2127.0 RUN NO = 179.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.4727 -.4549 -.6761 -1.0172  
 .230 -.4947 -.3354 -.2756 -.2368  
 .410 -.1016 .0121 -.0660 -.1010  
 .590 .0069 .0162 -.1079 -.1611  
 .770 -.0188 -.0482 -.1090 -.1551  
 .878 -.1729 -.1740 -.1991 -.1603

BETA ( 1 ) = -10.090 ALPHA ( 3 ) = 4.260 Q(PSF) = 43.177 PO/PSF = 2127.0 RUN NO = 179.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.4389 -.3743 -.5650 -.8305  
 .230 -.4149 -.2335 -.1710 -.1141  
 .410 -.0521 .0942 .0038 -.0389  
 .590 .0500 .0860 -.0250 -.0885  
 .770 .0213 .0182 -.0344 -.0802  
 .878 -.1355 -.1147 -.1407 -.1063

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF29)

BETA ( 1 ) = -10.090 ALPHA ( 4 ) = 5.330 Q(PSF) = 43.177 PO/PSF = 2127.0 RUN NO = 179.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4184 | -.3287 | -.5123 | -.7731 |
| .230 | -.3527 | -.1941 | -.1262 | -.0629 |
| .410 | -.0156 | .1272  | .0408  | -.0013 |
| .590 | .0707  | .1180  | .0151  | -.0440 |
| .770 | .0367  | .0491  | .0028  | -.0448 |
| .878 | -.1179 | -.0835 | -.1095 | -.0751 |

BETA ( 1 ) = -10.090 ALPHA ( 5 ) = 6.380 Q(PSF) = 43.177 PO/PSF = 2127.0 RUN NO = 179.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3804 | -.2853 | -.4599 | -.7452 |
| .230 | -.2843 | -.1505 | -.0773 | -.0133 |
| .410 | .0265  | .1511  | .0759  | .0241  |
| .590 | .0986  | .1449  | .0594  | -.0013 |
| .770 | .0584  | .0852  | .0450  | -.0074 |
| .878 | -.0982 | -.0491 | -.0773 | -.0449 |

BETA ( 1 ) = -10.090 ALPHA ( 6 ) = 8.470 Q(PSF) = 43.177 PO/PSF = 2127.0 RUN NO = 179.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3383 | -.2025 | -.3539 | -.7085 |
| .230 | -.1169 | -.0668 | -.0064 | .0616  |
| .410 | .0975  | .1798  | .1499  | .0752  |
| .590 | .1241  | .1342  | .1417  | .0718  |
| .770 | .1160  | .1241  | .1479  | .0923  |
| .878 | -.0407 | .5151  | .0110  | .0192  |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF29)

BETA ( 1 ) = -10.090 ALPHA ( 7 ) = 10.590 Q(PSF) = 43.177 PO/PSF = 2127.0 RUN NO = 179.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2885 | -.1338 | -.2383 | -.5892 |
| .230 | .0594  | .0440  | .0934  | .1299  |
| .410 | .1789  | .2346  | .2140  | .1453  |
| .590 | .2232  | .2480  | .2201  | .1504  |
| .770 | .1717  | .2129  | .2243  | .1851  |
| .878 | .0110  | .0708  | .0800  | .0842  |

BETA ( 1 ) = -10.090 ALPHA ( 8 ) = 15.840 Q(PSF) = 43.177 PO/PSF = 2127.0 RUN NO = 179.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |       |        |        |
|------|--------|-------|--------|--------|
| .050 | -.1681 | .0316 | -.0002 | -.2187 |
| .230 | .2909  | .3063 | .3145  | .2575  |
| .410 | .3259  | .3506 | .3362  | .3018  |
| .590 | .3516  | .3629 | .3650  | .3325  |
| .770 | .2888  | .3320 | .3722  | .4082  |
| .878 | .1314  | .1952 | .2281  | .2240  |

BETA ( 1 ) = -10.090 ALPHA ( 9 ) = 21.050 Q(PSF) = 43.177 PO/PSF = 2127.0 RUN NO = 179.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .0787 | .1793 | .1547 | .1022 |
| .230 | .4113 | .4421 | .4349 | .3809 |
| .410 | .4267 | .4503 | .4492 | .4149 |
| .590 | .4410 | .4636 | .4759 | .4472 |
| .770 | .3712 | .4277 | .4759 | .5303 |
| .878 | .2296 | .2953 | .3250 | .3343 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB+GP MAIN GEAR DOOR INNER SURFACE

(RFFF29)

BETA ( 2 ) = -5.050 ALPHA ( 1 ) = .130 Q(PSF) = 43.168 PO/PSF = 2126.9 RUN NO = 180.00

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5518 | -.4559 | -.6843 | -.8567 |
| .230 | -.4068 | -.3140 | -.1398 | -.1347 |
| .410 | -.0480 | .0110  | -.0594 | -.0971 |
| .590 | .0141  | .0141  | -.1074 | -.1398 |
| .770 | -.0386 | -.0417 | -.1169 | -.1575 |
| .878 | -.2065 | -.1763 | -.2003 | -.1711 |

BETA ( 2 ) = -5.050 ALPHA ( 2 ) = 2.200 Q(PSF) = 43.168 PO/PSF = 2126.9 RUN NO = 180.00

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5371 | -.3803 | -.5841 | -.8557 |
| .230 | -.2622 | -.2246 | -.1160 | -.0732 |
| .410 | .0162  | .0512  | .0007  | -.0681 |
| .590 | .0625  | .0677  | -.0261 | -.0715 |
| .770 | .0120  | .0316  | .0018  | -.0721 |
| .878 | -.1672 | -.1118 | -.1013 | -.1557 |

BETA ( 2 ) = -5.060 ALPHA ( 3 ) = 4.270 Q(PSF) = 43.168 PO/PSF = 2126.9 RUN NO = 180.00

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4830 | -.3150 | -.4767 | -.8533 |
| .230 | -.0907 | -.1356 | -.0417 | -.0099 |
| .410 | .0819  | .0963  | .0706  | -.0064 |
| .590 | .1138  | .1149  | .0665  | -.0099 |
| .770 | .0532  | .0891  | .0922  | .0161  |
| .878 | -.1293 | -.0573 | -.0250 | -.1012 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

PAGE 1361

OA163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF29)

BETA ( 2 ) = -5.060 ALPHA ( 4 ) = 5.350 Q(PSF) = 43.168 PO/PSF = 2126.9 RUN NO = 180.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4455 | -.2786 | -.4246 | -.8654 |
| .230 | -.0084 | -.0782 | .0151  | .0139  |
| .410 | .1128  | .1231  | .1015  | .0275  |
| .590 | .1375  | .1416  | .1056  | .0241  |
| .770 | .0706  | .1138  | .1303  | .0645  |
| .878 | -.1168 | -.0334 | .0059  | -.0521 |

BETA ( 2 ) = -5.050 ALPHA ( 5 ) = 6.380 Q(PSF) = 43.168 PO/PSF = 2126.9 RUN NO = 180.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4103 | -.2464 | -.3696 | -.8403 |
| .230 | -.0573 | -.0250 | .0656  | .0309  |
| .410 | .1355  | .1489  | .1335  | .0667  |
| .590 | .1592  | .1674  | .1396  | .0633  |
| .770 | .0861  | .1396  | .1664  | .1108  |
| .878 | -.1033 | -.0105 | .0347  | -.0126 |

BETA ( 2 ) = -5.050 ALPHA ( 6 ) = 8.460 Q(PSF) = 43.168 PO/PSF = 2126.9 RUN NO = 180.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3425 | -.1927 | -.2776 | -.6386 |
| .230 | .1535  | .1040  | .1525  | .0755  |
| .410 | .1793  | .1989  | .1886  | .1251  |
| .590 | .1989  | .2186  | .2113  | .1422  |
| .770 | .1174  | .1897  | .2361  | .2258  |
| .878 | -.0754 | .0317  | .0916  | .0606  |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB+CP

MAIN GEAR DOOR INNER SURFACE

(RFFF29)

BETA ( 2 ) = -5.050 ALPHA ( 7 ) = 10.550 Q(PSF) = 43.168 PO/PSF = 2126.9 RUN NO = 180.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2714 | -.1550 | -.1928 | -.5769 |
| .230 | .2042  | .2124  | .2197  | .1388  |
| .410 | .2155  | .2465  | .2300  | .1832  |
| .590 | .2321  | .2672  | .2682  | .2055  |
| .770 | .1453  | .2341  | .2899  | .3178  |
| .878 | -.0429 | .0740  | .1329  | .1474  |

BETA ( 2 ) = -5.050 ALPHA ( 8 ) = 15.850 Q(PSF) = 43.168 PO/PSF = 2126.9 RUN NO = 180.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0680 | -.0230 | -.0136 | -.0870 |
| .230 | .2997  | .3399  | .3440  | .2768  |
| .410 | .3007  | .3585  | .3574  | .3075  |
| .590 | .3100  | .3708  | .3894  | .3417  |
| .770 | .2141  | .2306  | .3915  | .4523  |
| .878 | .0409  | .1801  | .2193  | .2358  |

BETA ( 2 ) = -5.050 ALPHA ( 9 ) = 21.070 Q(PSF) = 43.168 PO/PSF = 2126.9 RUN NO = 180.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .1734 | .2402 | .3574 | .3747 |
| .230 | .4211 | .4714 | .4848 | .3832 |
| .410 | .4057 | .4797 | .4858 | .4376 |
| .590 | .4005 | .4776 | .4971 | .4512 |
| .770 | .3039 | .4221 | .4786 | .6506 |
| .878 | .1549 | .2690 | .3019 | .3162 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

PAGE 1363

OA163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF29)

BETA ( 3 ) = -2.000 ALPHA ( 1 ) = .130 Q(PSF) = 43.171 PO/PSF = 2126.9 RUN NO = 181.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6099 | -.4286 | -.6319 | -.9998 |
| .230 | -.2200 | -.2494 | -.1163 | -.0889 |
| .410 | .0080  | .0152  | -.0220 | -.0924 |
| .590 | .0389  | .0369  | -.0377 | -.1009 |
| .770 | -.0293 | .0080  | -.0002 | -.0807 |
| .878 | -.2263 | -.1362 | -.1058 | -.1886 |

BETA ( 3 ) = -2.010 ALPHA ( 2 ) = 2.220 Q(PSF) = 43.171 PO/PSF = 2126.9 RUN NO = 181.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5325 | -.3689 | -.5357 | -.9892 |
| .230 | -.0677 | -.1438 | -.0136 | -.0474 |
| .410 | .0531  | .0654  | .0387  | -.0303 |
| .590 | .0716  | .0849  | .0428  | -.0337 |
| .770 | -.0064 | .0623  | .0808  | .0007  |
| .878 | -.2105 | -.0896 | -.0364 | -.1157 |

BETA ( 3 ) = -2.000 ALPHA ( 3 ) = 4.290 Q(PSF) = 43.171 PO/PSF = 2126.9 RUN NO = 181.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4614 | -.3236 | -.4395 | -.9224 |
| .230 | .0491  | -.0177 | .0779  | -.0167 |
| .410 | .0892  | .1170  | .0995  | .0343  |
| .590 | .1046  | .1355  | .1201  | .0360  |
| .770 | .0151  | .1098  | .1510  | .1016  |
| .878 | -.1910 | -.0511 | .0151  | -.0584 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

PAGE 1364

0A163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF29)

BETA ( 3 ) = -2.000 ALPHA ( 4 ) = 5.330 Q(PSF) = 43.171 PO/PSF = 2126.9 RUN NO = 181.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4304 | -.3145 | -.3970 | -.8049 |
| .230 | .0924  | .0532  | .1088  | .0088  |
| .410 | .1047  | .1428  | .1243  | .0582  |
| .590 | .1202  | .1624  | .1521  | .0719  |
| .770 | .0254  | .1336  | .1830  | .1572  |
| .878 | -.1818 | -.0303 | .0368  | -.0303 |

BETA ( 3 ) = -2.000 ALPHA ( 5 ) = 6.360 Q(PSF) = 43.171 PO/PSF = 2126.9 RUN NO = 181.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4022 | -.3061 | -.3542 | -.7723 |
| .230 | .1233  | .1202  | .1356  | .0429  |
| .410 | .1212  | .1655  | .1459  | .0872  |
| .590 | .1366  | .1871  | .1820  | .1009  |
| .770 | .0378  | .1562  | .2129  | .2067  |
| .878 | -.1671 | -.0105 | .0594  | .0131  |

BETA ( 3 ) = -2.000 ALPHA ( 6 ) = 8.470 Q(PSF) = 43.171 PO/PSF = 2126.9 RUN NO = 181.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3494 | -.2772 | -.2605 | -.6498 |
| .230 | .1554  | .1956  | .1853  | .1027  |
| .410 | .1523  | .2111  | .1935  | .1420  |
| .590 | .1888  | .2348  | .2358  | .1659  |
| .770 | .0638  | .1997  | .2616  | .2905  |
| .878 | -.1402 | .0337  | .0884  | .0708  |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP MAIN GEAR DOOR INNER SURFACE

(RFFF29)

BETA ( 3 ) = -2.010 ALPHA ( 7 ) = 10.550 Q(PSF) = 43.171 PO/PSF = 2126.9 RUN NO = 181.00

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2716 | -.2171 | -.1804 | -.4244 |
| .230 | .1796  | .2333  | .2323  | .1697  |
| .410 | .1796  | .2571  | .2488  | .1971  |
| .590 | .1940  | .2768  | .2830  | .2279  |
| .770 | .0876  | .2385  | .2995  | .3408  |
| .878 | -.1038 | .0731  | .1206  | .1227  |

BETA ( 3 ) = -2.010 ALPHA ( 8 ) = 15.850 Q(PSF) = 43.171 PO/PSF = 2126.9 RUN NO = 181.00

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |       |       |       |
|------|--------|-------|-------|-------|
| .050 | -.1243 | .0121 | .0739 | .0787 |
| .230 | .2830  | .3602 | .3695 | .2681 |
| .410 | .2655  | .3767 | .3798 | .3278 |
| .590 | .2686  | .3829 | .3973 | .3482 |
| .770 | .1552  | .3304 | .3942 | .4653 |
| .878 | -.0105 | .1635 | .2026 | .2170 |

BETA ( 3 ) = -2.010 ALPHA ( 9 ) = 21.080 Q(PSF) = 43.171 PO/PSF = 2126.9 RUN NO = 181.00

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .3149 | .3937 | .5718 | .5425 |
| .230 | .4111 | .4961 | .5094 | .3900 |
| .410 | .3784 | .4930 | .4991 | .4476 |
| .590 | .3692 | .4817 | .4991 | .4612 |
| .770 | .2668 | .4162 | .4684 | .5401 |
| .878 | .1164 | .2535 | .2791 | .2934 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF29)

BETA ( 4 ) = .020 ALPHA ( 1 ) = .100 Q(PSF) = 43.177 PO/PSF = 2126.9 RUN NO = 182.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .J760 .3100 .5820 .8530

X/CML

|      |        |        |        |         |
|------|--------|--------|--------|---------|
| .050 | -.5952 | -.4347 | -.5161 | -1.0339 |
| .230 | -.1021 | -.1887 | -.0281 | -.0799  |
| .410 | .0100  | .0295  | -.0012 | -.0662  |
| .590 | .0285  | .0521  | .0038  | -.0748  |
| .770 | -.0583 | .0326  | .0459  | -.0375  |
| .878 | -.2679 | -.1240 | -.0636 | -.1657  |

BETA ( 4 ) = .010 ALPHA ( 2 ) = 2.200 Q(PSF) = 43.177 PO/PSF = 2126.9 RUN NO = 182.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |         |
|------|--------|--------|--------|---------|
| .050 | -.5196 | -.3964 | -.5154 | -1.0416 |
| .230 | .0161  | -.0511 | .0573  | -.0526  |
| .410 | .0419  | .0820  | .0614  | -.0013  |
| .590 | .0552  | .1036  | .0830  | -.0013  |
| .770 | -.0396 | .0799  | .1221  | .0573   |
| .878 | -.2545 | -.0855 | -.0167 | -.1085  |

BETA ( 4 ) = .020 ALPHA ( 3 ) = 4.260 Q(PSF) = 43.177 PO/PSF = 2126.9 RUN NO = 182.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4738 | -.3914 | -.4248 | -.8553 |
| .230 | .0789  | .0984  | .1056  | .0020  |
| .410 | .0655  | .1293  | .1087  | .0463  |
| .590 | .0840  | .1530  | .1437  | .0616  |
| .770 | -.0240 | .1231  | .1797  | .1622  |
| .878 | -.2390 | -.0469 | .0233  | -.0469 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF29)

BETA ( 4 ) = .020 ALPHA ( 4 ) = 5.360 Q(PSF) = 43.177 PO/PSF = 2126.9 RUN NO = 182.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4649 | -.3824 | -.3688 | -.8237 |
| .230 | .0903  | .1366  | .1253  | .0327  |
| .410 | .0821  | .1552  | .1336  | .0770  |
| .590 | .0975  | .1758  | .1758  | .0906  |
| .770 | -.0136 | .1480  | .2077  | .2128  |
| .878 | -.2277 | -.0282 | .0450  | .0048  |

BETA ( 4 ) = .030 ALPHA ( 5 ) = 6.360 Q(PSF) = 43.177 PO/PSF = 2126.9 RUN NO = 182.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4597 | -.3531 | -.3166 | -.7398 |
| .230 | .0996  | .1562  | .1490  | .0599  |
| .410 | .0944  | .1748  | .1562  | .0992  |
| .590 | .1099  | .1995  | .1995  | .1213  |
| .770 | -.0033 | .1655  | .2283  | .2530  |
| .878 | -.2152 | -.0095 | .0584  | .0471  |

BETA ( 4 ) = .030 ALPHA ( 6 ) = 8.460 Q(PSF) = 43.177 PO/PSF = 2126.9 RUN NO = 182.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3741 | -.2997 | -.2368 | -.5099 |
| .230 | .1195  | .1949  | .1959  | .1285  |
| .410 | .1195  | .2228  | .2124  | .1576  |
| .590 | .1370  | .2434  | .2496  | .1867  |
| .770 | .0224  | .2052  | .2692  | .3064  |
| .878 | -.1771 | .0327  | .0885  | .0802  |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF29)

BETA ( 4 ) = .030 ALPHA ( 7 ) = 10.560 Q(PSF) = 43.177 PO/PSF = 2126.9 RUN NO = 182.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3393 | -.2314 | -.1696 | -.2984 |
| .230 | .1535  | .2350  | .2422  | .1695  |
| .410 | .1463  | .2660  | .2608  | .2019  |
| .590 | .1607  | .2835  | .2939  | .2361  |
| .770 | .0461  | .2402  | .3062  | .3630  |
| .878 | -.1103 | .0678  | .1163  | .1277  |

BETA ( 4 ) = .030 ALPHA ( 8 ) = 15.780 Q(PSF) = 43.177 PO/PSF = 2126.9 RUN NO = 182.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |       |       |       |
|------|--------|-------|-------|-------|
| .050 | -.0648 | .0770 | .1811 | .2153 |
| .230 | .2687  | .3686 | .3749 | .2562 |
| .410 | .2419  | .3800 | .3810 | .3143 |
| .590 | .2398  | .3769 | .3872 | .3279 |
| .770 | .1337  | .3151 | .3635 | .4295 |
| .878 | -.0198 | .1471 | .1666 | .1790 |

BETA ( 4 ) = .030 ALPHA ( 9 ) = 21.060 Q(PSF) = 43.177 PO/PSF = 2126.9 RUN NO = 182.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .3897 | .5416 | .6925 | .5322 |
| .230 | .4041 | .5221 | .5334 | .4030 |
| .410 | .3599 | .5077 | .5221 | .4625 |
| .590 | .3476 | .4913 | .5170 | .4744 |
| .770 | .2419 | .4164 | .4759 | .5406 |
| .878 | .0972 | .2460 | .2717 | .2860 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF29)

BETA ( 5 ) = 2.040 ALPHA ( 1 ) = .080 Q(PSF) = 43.213 PO/PSF = 2126.9 RUN NO = 183.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |         |
|------|--------|--------|--------|---------|
| .050 | -.5754 | -.4720 | -.5859 | -1.1522 |
| .230 | -.0177 | -.0731 | .0367  | -.0818  |
| .410 | -.0064 | .0501  | .0254  | -.0321  |
| .590 | .0079  | .0717  | .0450  | -.0389  |
| .770 | -.0960 | .0491  | .0851  | .0131   |
| .878 | -.3164 | -.1148 | -.0449 | -.1483  |

BETA ( 5 ) = 2.040 ALPHA ( 2 ) = 2.170 Q(PSF) = 43.213 PO/PSF = 2126.9 RUN NO = 183.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5463 | -.4671 | -.4900 | -.9297 |
| .230 | .0305  | .0716  | .0747  | -.0303 |
| .410 | .0141  | .0953  | .0737  | .0105  |
| .590 | .0315  | .1179  | .1096  | .0258  |
| .770 | -.0823 | .0922  | .1477  | .1158  |
| .878 | -.2992 | -.0802 | -.0064 | -.1074 |

BETA ( 5 ) = 2.040 ALPHA ( 3 ) = 4.210 Q(PSF) = 43.213 PO/PSF = 2126.9 RUN NO = 183.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5628 | -.4234 | -.3752 | -.8418 |
| .230 | .0431  | .1185  | .1144  | .0208  |
| .410 | .0410  | .1402  | .1206  | .0636  |
| .590 | .0555  | .1639  | .1639  | .0789  |
| .770 | -.0650 | .1319  | .2001  | .2104  |
| .878 | -.2798 | -.0482 | .0286  | -.0054 |

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DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

PAGE 1370

0A163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF29)

BETA ( 5 ) = 2.040 ALPHA ( 4 ) = 5.290 Q(PSF) = 43.213 PO/PSF = 2126.9 RUN NO = 183.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5496 | -.3963 | -.3296 | -.7316 |
| .230 | .0501  | .1354  | .1333  | .0462  |
| .410 | .0521  | .1601  | .1426  | .0837  |
| .590 | .0706  | .1837  | .1858  | .1075  |
| .770 | -.0500 | .1508  | .2135  | .2423  |
| .878 | -.2555 | -.0250 | .0388  | .0089  |

BETA ( 5 ) = 2.040 ALPHA ( 5 ) = 6.350 Q(PSF) = 43.213 PO/PSF = 2126.9 RUN NO = 183.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5057 | -.3746 | -.2976 | -.6070 |
| .230 | .0612  | .1515  | .1556  | .0767  |
| .410 | .0612  | .1812  | .1689  | .1106  |
| .590 | .0817  | .2027  | .2058  | .1395  |
| .770 | -.0364 | .1648  | .2274  | .2612  |
| .878 | -.2362 | -.0074 | .0428  | .0243  |

BETA ( 5 ) = 2.040 ALPHA ( 6 ) = 8.420 Q(PSF) = 43.213 PO/PSF = 2126.9 RUN NO = 183.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4520 | -.3173 | -.2557 | -.3745 |
| .230 | .0933  | .1942  | .1931  | .1195  |
| .410 | .0902  | .2240  | .2117  | .1536  |
| .590 | .1088  | .2384  | .2435  | .1826  |
| .770 | .0007  | .1921  | .2435  | .3001  |
| .878 | -.1795 | .0172  | .0408  | .0470  |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

PAGE 1371

OA163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF29)

BETA ( 5 ) = 2.040 ALPHA ( 7 ) = 10.520 Q(PSF) = 43.213 PO/PSF = 2126.9 RUN NO = 183.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3815 | -.2159 | -.1520 | -.0425 |
| .230 | .1319  | .2466  | .2466  | .1508  |
| .410 | .1164  | .2714  | .2621  | .2021  |
| .590 | .1299  | .2745  | .2786  | .2226  |
| .770 | .0245  | .2146  | .2621  | .3210  |
| .878 | -.1394 | .0420  | .0555  | .0627  |

BETA ( 5 ) = 2.040 ALPHA ( 8 ) = 15.770 Q(PSF) = 43.213 PO/PSF = 2126.9 RUN NO = 183.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |       |       |       |
|------|--------|-------|-------|-------|
| .050 | .0778  | .2290 | .3935 | .4208 |
| .230 | .2619  | .4049 | .4223 | .2982 |
| .410 | .2198  | .4090 | .4182 | .3595 |
| .590 | .2084  | .3987 | .4223 | .3664 |
| .770 | .0912  | .3308 | .3884 | .4614 |
| .878 | -.0584 | .1488 | .1745 | .1951 |

BETA ( 5 ) = 2.030 ALPHA ( 9 ) = 21.050 Q(PSF) = 43.213 PO/PSF = 2126.9 RUN NO = 183.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .4853 | .6790 | .7425 | .5397 |
| .230 | .3901 | .5376 | .5530 | .4023 |
| .410 | .3327 | .5171 | .5263 | .4668 |
| .590 | .3173 | .4997 | .5171 | .4719 |
| .770 | .2087 | .4177 | .4859 | .5345 |
| .878 | .0683 | .2405 | .2548 | .2702 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF29)

BETA ( 6 ) = 5.070 ALPHA ( 1 ) = .090 Q(PSF) = 43.219 PO/PSF = 2127.0 RUN NO = 184.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |         |
|------|--------|--------|--------|---------|
| .050 | -.6987 | -.5512 | -.5104 | -1.0030 |
| .230 | -.0387 | .0502  | .0471  | -.0476  |
| .410 | -.0460 | .0677  | .0440  | -.0133  |
| .590 | -.0272 | .0935  | .0832  | -.0065  |
| .770 | -.1485 | .0626  | .1203  | .1018   |
| .878 | -.3619 | -.1119 | -.0397 | -.1537  |

BETA ( 6 ) = 5.060 ALPHA ( 2 ) = 2.190 Q(PSF) = 43.219 PO/PSF = 2127.0 RUN NO = 184.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7185 | -.5071 | -.4290 | -.8585 |
| .230 | -.0250 | .0756  | .0726  | -.0149 |
| .410 | -.0218 | .1085  | .0838  | .0190  |
| .590 | .0007  | .1290  | .1228  | .0410  |
| .770 | -.1166 | .0869  | .1341  | .1618  |
| .878 | -.3155 | -.0926 | -.0624 | -.0979 |

BETA ( 6 ) = 5.060 ALPHA ( 3 ) = 4.260 Q(PSF) = 43.219 PO/PSF = 2127.0 RUN NO = 184.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6458 | -.4851 | -.4288 | -.3999 |
| .230 | -.0012 | .1179  | .1190  | .0445  |
| .410 | .0089  | .1570  | .1395  | .0803  |
| .590 | .0295  | .1714  | .1704  | .0973  |
| .770 | -.0855 | .1241  | .1663  | .2012  |
| .878 | -.2702 | -.0553 | -.0396 | -.0469 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF29)

BETA ( 6 ) = 5.060 ALPHA ( 4 ) = 5.300 Q(PSF) = 43.219 PO/PSF = 2127.0 RUN NO = 184.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5921 | -.4232 | -.3263 | -.1705 |
| .230 | .0182  | .1435  | .1456  | .0649  |
| .410 | .0223  | .1815  | .1682  | .1057  |
| .590 | .0439  | .1949  | .1939  | .1279  |
| .770 | -.0698 | .1435  | .1877  | .2298  |
| .878 | -.2512 | -.0375 | -.0229 | -.0344 |

BETA ( 6 ) = 5.060 ALPHA ( 5 ) = 6.360 Q(PSF) = 43.219 PO/PSF = 2127.0 RUN NO = 184.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5421 | -.3596 | -.2335 | -.0662 |
| .230 | .0408  | .1744  | .1774  | .0836  |
| .410 | .0346  | .2083  | .1959  | .1330  |
| .590 | .0572  | .2155  | .2185  | .1551  |
| .770 | -.0563 | .1600  | .2052  | .2514  |
| .878 | -.2304 | -.0198 | -.0074 | -.0239 |

BETA ( 6 ) = 5.050 ALPHA ( 6 ) = 8.450 Q(PSF) = 43.219 PO/PSF = 2127.0 RUN NO = 184.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |       |
|------|--------|--------|--------|-------|
| .050 | -.3852 | -.2098 | -.0240 | .1297 |
| .230 | .0820  | .2384  | .2477  | .1332 |
| .410 | .0804  | .2621  | .2621  | .1945 |
| .590 | .0727  | .2662  | .2744  | .2098 |
| .770 | -.0417 | .2055  | .2559  | .3114 |
| .878 | -.2067 | .0192  | .0429  | .0326 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF29)

BETA ( 6 ) = 5.050 ALPHA ( 7 ) = 10.540 Q(PSF) = 43.219 PO/PSF = 2127.0 RUN NO = 184.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |       |       |
|------|--------|--------|-------|-------|
| .050 | -.1873 | -.0188 | .1162 | .1505 |
| .230 | .1193  | .2947  | .3029 | .1625 |
| .410 | .0832  | .3091  | .3070 | .2308 |
| .590 | .0843  | .3039  | .3132 | .2445 |
| .770 | -.0261 | .2348  | .2833 | .3534 |
| .878 | -.1789 | .0492  | .0636 | .0739 |

BETA ( 6 ) = 5.050 ALPHA ( 8 ) = 15.810 Q(PSF) = 43.219 PO/PSF = 2127.0 RUN NO = 184.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |       |       |       |
|------|--------|-------|-------|-------|
| .050 | .2668  | .4896 | .6299 | .4067 |
| .230 | .2390  | .4412 | .4587 | .2923 |
| .410 | .1750  | .4308 | .4453 | .3589 |
| .590 | .1627  | .4123 | .4333 | .3556 |
| .770 | .0461  | .3329 | .3813 | .4339 |
| .878 | -.0952 | .1420 | .1534 | .1472 |

BETA ( 6 ) = 5.040 ALPHA ( 9 ) = 21.080 Q(PSF) = 43.219 PO/PSF = 2127.0 RUN NO = 184.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .5735 | .7764 | .8143 | .6026 |
| .230 | .3614 | .5725 | .5868 | .4329 |
| .410 | .2835 | .5366 | .5530 | .4923 |
| .590 | .2630 | .5130 | .5315 | .4821 |
| .770 | .1462 | .4229 | .4690 | .5223 |
| .878 | .0151 | .2313 | .2436 | .2313 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF29)

BETA ( 7 ) = 10.150 ALPHA ( 1 ) = .120 Q(PSF) = 43.197 PO/PSF = 2127.1 RUN NO = 185.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7931 | -.5839 | -.5315 | -.5658 |
| .230 | -.0554 | .0348  | .0244  | -.0322 |
| .410 | -.0502 | .0729  | .0440  | -.0184 |
| .590 | -.0366 | .0904  | .0770  | .0003  |
| .770 | -.1538 | .0440  | .0760  | .1018  |
| .878 | -.3233 | -.1297 | -.1234 | -.1559 |

BETA ( 7 ) = 10.150 ALPHA ( 2 ) = 2.200 Q(PSF) = 43.197 PO/PSF = 2127.1 RUN NO = 185.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4348 | -.2482 | -.2096 | -.3023 |
| .230 | -.0490 | .0994  | .0829  | .0054  |
| .410 | -.0479 | .1313  | .1056  | .0309  |
| .590 | -.0271 | .1395  | .1251  | .0479  |
| .770 | -.1230 | .0829  | .1086  | .1354  |
| .878 | -.2795 | -.0907 | -.0907 | -.1209 |

BETA ( 7 ) = 10.150 ALPHA ( 3 ) = 4.300 Q(PSF) = 43.197 PO/PSF = 2127.1 RUN NO = 185.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2267 | .1026  | .2066  | .0821  |
| .230 | -.0157 | .1932  | .1891  | .0702  |
| .410 | -.0418 | .2138  | .1953  | .1213  |
| .590 | -.0219 | .2138  | .2138  | .1264  |
| .770 | -.1191 | .1490  | .1747  | .1953  |
| .878 | -.2663 | -.0418 | -.0418 | -.0825 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF29)

BETA ( 7 ) = 10.150 ALPHA ( 4 ) = 5.320 Q(PSF) = 43.197 PO/PSF = 2127.1 RUN NO = 185.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1797 | .1800  | .3118  | .1521  |
| .230 | -.0054 | .2366  | .2448  | .1043  |
| .410 | -.0491 | .2541  | .2490  | .1640  |
| .590 | -.0313 | .2510  | .2531  | .1691  |
| .770 | -.1379 | .1779  | .2150  | .2469  |
| .878 | -.2780 | -.0240 | -.0219 | -.0533 |

BETA ( 7 ) = 10.150 ALPHA ( 5 ) = 6.370 Q(PSF) = 43.197 PO/PSF = 2127.1 RUN NO = 185.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1431 | .2251  | .3878  | .2031  |
| .230 | -.0033 | .2746  | .2869  | .1281  |
| .410 | -.0574 | .2849  | .2941  | .1980  |
| .590 | -.0501 | .2746  | .2910  | .2048  |
| .770 | -.1608 | .1994  | .2457  | .2879  |
| .878 | -.2977 | -.0064 | -.0012 | -.0177 |

BETA ( 7 ) = 10.150 ALPHA ( 6 ) = 8.460 Q(PSF) = 43.197 PO/PSF = 2127.1 RUN NO = 185.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |       |       |       |
|------|--------|-------|-------|-------|
| .050 | -.0064 | .3458 | .5096 | .3141 |
| .230 | .0193  | .3303 | .3612 | .1776 |
| .410 | -.0512 | .3324 | .3551 | .2578 |
| .590 | -.0606 | .3149 | .3468 | .2578 |
| .770 | -.1829 | .2304 | .2933 | .3540 |
| .878 | -.3093 | .0182 | .0337 | .0430 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFF29)

BETA ( 7 ) = 10.150 ALPHA ( 7 ) = 10.580 Q(PSF) = 43.197 PO/PSF = 2127.1 RUN NO = 185.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |       |       |       |
|------|--------|-------|-------|-------|
| .050 | .1680  | .5221 | .6295 | .4037 |
| .230 | .0616  | .3817 | .4127 | .2293 |
| .410 | -.0230 | .3724 | .3992 | .3046 |
| .590 | -.0377 | .3487 | .3838 | .3011 |
| .770 | -.1739 | .2630 | .3259 | .3889 |
| .878 | -.2912 | .0482 | .0506 | .0730 |

BETA ( 7 ) = 10.150 ALPHA ( 8 ) = 15.810 Q(PSF) = 43.197 PO/PSF = 2127.1 RUN NO = 185.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |       |       |       |
|------|--------|-------|-------|-------|
| .050 | .4560  | .7441 | .7810 | .5317 |
| .230 | .1802  | .5042 | .5308 | .3381 |
| .410 | .0827  | .4642 | .4939 | .3976 |
| .590 | .0684  | .4375 | .4693 | .3653 |
| .770 | -.0603 | .3452 | .3986 | .4293 |
| .878 | -.1685 | .1309 | .1432 | .0417 |

BETA ( 7 ) = 10.150 ALPHA ( 9 ) = 21.070 Q(PSF) = 43.197 PO/PSF = 2127.1 RUN NO = 185.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |       |       |       |
|------|--------|-------|-------|-------|
| .050 | .6250  | .8701 | .8977 | .6385 |
| .230 | .2847  | .6189 | .6435 | .4484 |
| .410 | .1688  | .5605 | .5871 | .4790 |
| .590 | .1360  | .5194 | .5502 | .4297 |
| .770 | .0028  | .4159 | .4641 | .4774 |
| .878 | -.0821 | .2078 | .2140 | .0766 |



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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF30) ( 03 FEB 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0405

## PARAMETRIC DATA

MACH = .170 ELEVON = -10.000  
 BDFLAP = -11.700 SPDBRK = .000  
 PHI-N = 66.000 THETAN = 108.000  
 PHI-M = 88.000 THETAM = 98.000

BETA ( 1 ) = -10.100 ALPHA ( 1 ) = -.130 Q(PSF) = 43.151 PO/PSF = 2127.1 RUN NO = 186.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.5783 -.5877 -.8528 -1.3277  
 .230 -.5270 -.5511 -.4505 -.3655  
 .410 -.2472 -.2221 -.2577 -.2745  
 .590 -.2095 -.1906 -.3164 -.3827  
 .770 -.2409 -.2231 -.2933 -.3248  
 .878 -.4075 -.3363 -.3520 -.3195

BETA ( 1 ) = -10.100 ALPHA ( 2 ) = 1.950 Q(PSF) = 43.151 PO/PSF = 2127.1 RUN NO = 186.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.5288 -.5403 -.7827 -1.1576  
 .230 -.4868 -.4627 -.3200 -.3437  
 .410 -.1679 -.0965 -.1815 -.1940  
 .590 -.0881 -.1049 -.2130 -.2835  
 .770 -.1469 -.1563 -.2109 -.2486  
 .878 -.3158 -.2822 -.2990 -.2591

BETA ( 1 ) = -10.100 ALPHA ( 3 ) = 4.040 Q(PSF) = 43.151 PO/PSF = 2127.1 RUN NO = 186.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.5077 -.4629 -.6860 -.8664  
 .230 -.4306 -.3639 -.2033 -.1825  
 .410 -.1074 -.0254 -.0896 -.1124  
 .590 -.0260 -.0219 -.1167 -.1637  
 .770 -.0792 -.0844 -.1324 -.1657  
 .878 -.2356 -.2273 -.2408 -.1918

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF30)

BETA ( 1 ) = -10.100 ALPHA ( 4 ) = 5.090 Q(PSF) = 43.151 PO/PSF = 2127.1 RUN NO = 186.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4974 | -.4283 | -.6262 | -.9184 |
| .230 | -.4702 | -.2859 | -.2251 | -.1782 |
| .410 | -.0984 | .0627  | -.0282 | -.0768 |
| .590 | .0059  | .0141  | -.0639 | -.1249 |
| .770 | -.0356 | -.0324 | -.0837 | -.1267 |
| .878 | -.2126 | -.1864 | -.2147 | -.1665 |

BETA ( 1 ) = -10.100 ALPHA ( 5 ) = 6.120 Q(PSF) = 43.151 PO/PSF = 2127.1 RUN NO = 186.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4729 | -.3852 | -.5700 | -.8300 |
| .230 | -.4051 | -.2432 | -.1754 | -.1263 |
| .410 | -.0637 | .0872  | .0079  | -.0424 |
| .590 | .0264  | .0779  | -.0208 | -.0852 |
| .770 | -.0177 | -.0012 | -.0396 | -.0898 |
| .878 | -.1963 | -.1534 | -.1816 | -.1388 |

BETA ( 1 ) = -10.100 ALPHA ( 6 ) = 8.250 Q(PSF) = 43.151 PO/PSF = 2127.1 RUN NO = 186.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | .0244  | .0666  | .0460  | .0003  |
| .230 | -.1525 | -.0898 | -.1097 | -.0218 |
| .410 | .0882  | -.4158 | -.2925 | -.0136 |
| .590 | -.0126 | -.2549 | -.1588 | -.0867 |
| .770 | .0162  | .0141  | .1305  | -.0836 |
| .878 | -.0115 | .0800  | .1294  | .0800  |

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DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP MAIN GEAR DOOR INNER SURFACE

(RFFF30)

BETA ( 1 ) = -10.100 ALPHA ( 7 ) = 10.320 Q(PSF) = 43.151 PO/PSF = 2127.1 RUN NO = 186.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3745 | -.2207 | -.3473 | -.7030 |
| .230 | -.0669 | -.0638 | -.0074 | .0549  |
| .410 | .0894  | .1688  | .1472  | .0703  |
| .590 | .1420  | .1781  | .1420  | .0703  |
| .770 | .0832  | .1317  | .1358  | .0956  |
| .878 | -.0931 | -.0251 | -.0251 | -.0033 |

BETA ( 1 ) = -10.110 ALPHA ( 8 ) = 15.570 Q(PSF) = 43.151 PO/PSF = 2127.1 RUN NO = 186.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2567 | -.0480 | -.0824 | -.3572 |
| .230 | .2177  | .2229  | .2404  | .1825  |
| .410 | .2599  | .2928  | .2815  | .2404  |
| .590 | .2846  | .3010  | .3031  | .2642  |
| .770 | .2167  | .2599  | .3031  | .3329  |
| .878 | .0357  | .1036  | .1447  | .1817  |

BETA ( 1 ) = -10.110 ALPHA ( 9 ) = 20.810 Q(PSF) = 43.151 PO/PSF = 2127.1 RUN NO = 186.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |       |       |        |
|------|--------|-------|-------|--------|
| .050 | -.0375 | .1136 | .0921 | -.0064 |
| .230 | .3569  | .3908 | .3867 | .3351  |
| .410 | .3805  | .4011 | .3970 | .3606  |
| .590 | .3949  | .4124 | .4236 | .3963  |
| .770 | .3189  | .3672 | .4185 | .4842  |
| .878 | .1547  | .2204 | .2512 | .2594  |

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB+GP MAIN GEAR DOOR INNER SURFACE (RFFF30)

BETA ( 2 ) = -5.070 ALPHA ( 1 ) = -.110 Q(PSF) = 43.222 PO/PSF = 2127.0 RUN NO = 187.00

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |         |
|------|--------|--------|--------|---------|
| .050 | -.6271 | -.5602 | -.7913 | -1.0195 |
| .230 | -.5059 | -.4139 | -.2341 | -.2327  |
| .410 | -.1191 | -.0575 | -.1348 | -.1675  |
| .590 | -.0616 | -.0669 | -.1933 | -.2241  |
| .770 | -.1275 | -.1359 | -.2237 | -.2435  |
| .878 | -.3104 | -.2843 | -.3198 | -.2780  |

BETA ( 2 ) = -5.070 ALPHA ( 2 ) = 1.970 Q(PSF) = 43.222 PO/PSF = 2127.0 RUN NO = 187.00

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6028 | -.4745 | -.7040 | -.9181 |
| .230 | -.4078 | -.3129 | -.1689 | -.1603 |
| .410 | -.0626 | -.0043 | -.0688 | -.1124 |
| .590 | -.0105 | -.0012 | -.1064 | -.1518 |
| .770 | -.0751 | -.0679 | -.1356 | -.1721 |
| .878 | -.2680 | -.2263 | -.2472 | -.2336 |

BETA ( 2 ) = -5.070 ALPHA ( 3 ) = 4.020 Q(PSF) = 43.222 PO/PSF = 2127.0 RUN NO = 187.00

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |         |
|------|--------|--------|--------|---------|
| .050 | -.5743 | -.3947 | -.5889 | -1.0014 |
| .230 | -.2234 | -.2318 | -.1409 | -.0886  |
| .410 | .0038  | .0295  | .0017  | -.0200  |
| .590 | .0419  | .0481  | -.0240 | -.0869  |
| .770 | -.0250 | .0048  | -.0064 | -.0804  |
| .878 | -.2255 | -.1639 | -.1420 | -.2005  |

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

PAGE 1392

0A163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF301)

BETA ( 2 ) = -5.070 ALPHA ( 4 ) = 5.050 Q(PSF) = 43.222 PO/PSF = 2127.0 RUN NO = 187.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5413 | -.3664 | -.5350 | -.9302 |
| .230 | -.1361 | -.1821 | -.0963 | -.0511 |
| .410 | .0379  | .0564  | .0327  | -.0493 |
| .590 | .0688  | .0709  | .0224  | -.0562 |
| .770 | -.0023 | .0327  | .0358  | -.0366 |
| .878 | -.2083 | -.1361 | -.1026 | -.1811 |

BETA ( 2 ) = -5.070 ALPHA ( 5 ) = 6.110 Q(PSF) = 43.222 PO/PSF = 2127.0 RUN NO = 187.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5048 | -.3313 | -.4808 | -.9046 |
| .230 | -.0407 | -.1223 | -.0355 | -.0253 |
| .410 | .0708  | .0831  | .0625  | -.0133 |
| .590 | .0934  | .0976  | .0625  | -.0167 |
| .770 | .0162  | .0594  | .0790  | .0141  |
| .878 | -.1923 | -.1108 | -.0648 | -.1348 |

BETA ( 2 ) = -5.070 ALPHA ( 6 ) = 8.190 Q(PSF) = 43.222 PO/PSF = 2127.0 RUN NO = 187.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4336 | -.2654 | -.3699 | -.8135 |
| .230 | .0749  | -.0126 | .0594  | .0088  |
| .410 | .1202  | .1367  | .1222  | .0582  |
| .590 | .1397  | .1500  | .1377  | .0517  |
| .770 | .0522  | .1099  | .1521  | .1264  |
| .878 | -.1651 | -.0616 | -.0054 | -.0376 |

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TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

PAGE 1393

OA163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF30)

BETA ( 2 ) = -5.070 ALPHA ( 7 ) = 10.280 Q(PSF) = 43.222 PO/PSF = 2127.0 RUN NO = 187.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3681 | -.2169 | -.2795 | -.6631 |
| .230 | .1436  | .1210  | .1456  | .0734  |
| .410 | .1631  | .1857  | .1724  | .1160  |
| .590 | .1785  | .2022  | .1970  | .1313  |
| .770 | .0809  | .1600  | .2145  | .2320  |
| .878 | -.1335 | -.0187 | .0480  | .0501  |

BETA ( 2 ) = -5.070 ALPHA ( 8 ) = 15.520 Q(PSF) = 43.222 PO/PSF = 2127.0 RUN NO = 187.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1634 | -.0936 | -.0947 | -.2692 |
| .230 | .2469  | .2838  | .2767  | .2211  |
| .410 | .2520  | .3002  | .2920  | .2381  |
| .590 | .2633  | .3126  | .3259  | .2839  |
| .770 | .1577  | .2633  | .3269  | .3864  |
| .878 | -.0406 | .0941  | .1351  | .1484  |

BETA ( 2 ) = -5.070 ALPHA ( 9 ) = 20.800 Q(PSF) = 43.222 PO/PSF = 2127.0 RUN NO = 187.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .0724 | .1256 | .1890 | .1968 |
| .230 | .3691 | .4131 | .4203 | .3205 |
| .410 | .3548 | .4234 | .4264 | .3832 |
| .590 | .3517 | .4203 | .4408 | .4036 |
| .770 | .2433 | .3599 | .4244 | .4991 |
| .878 | .0611 | .1921 | .2289 | .2381 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB-GP

MAIN GEAR DOOR INNER SURFACE

(RFFF30)

BETA ( 3 ) = -2.010 ALPHA ( 1 ) = -.110 Q(PSF) = 43.250 PO/PSF = 2127.0 RUN NO = 188.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.6694 | -.5159 | -.7624 | -.9980 |
| .230 | -.3540 | -.3425 | -.1483 | -.1708 |
| .410 | -.0699 | -.0480 | -.1023 | -.1537 |
| .590 | -.0313 | -.0355 | -.1368 | -.1811 |
| .770 | -.1044 | -.0877 | -.1462 | -.2026 |
| .878 | -.3112 | -.2444 | -.2475 | -.2663 |

BETA ( 3 ) = -2.01' ALPHA ( 2 ) = 1.940 Q(PSF) = 43.250 PO/PSF = 2127.0 RUN NO = 188.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |         |
|------|--------|--------|--------|---------|
| .050 | -.6365 | -.4567 | -.6428 | -1.0332 |
| .230 | -.1902 | -.2477 | -.1181 | -.1093  |
| .410 | -.0105 | -.0023 | -.0313 | -.1093  |
| .590 | .0100  | .0162  | -.0386 | -.1178  |
| .770 | -.0710 | -.0219 | -.0105 | -.0909  |
| .878 | -.2926 | -.1892 | -.1432 | -.2404  |

BETA ( 3 ) = -2.010 ALPHA ( 3 ) = 4.040 Q(PSF) = 43.250 PO/PSF = 2127.0 RUN NO = 188.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |         |
|------|--------|--------|--------|---------|
| .050 | -.5575 | -.3915 | -.5408 | -1.0696 |
| .230 | -.0438 | -.1336 | -.0146 | -.0680  |
| .410 | .0326  | .0511  | .0275  | -.0406  |
| .590 | .0470  | .0666  | .0357  | -.0458  |
| .770 | -.0469 | .0306  | .0655  | -.0012  |
| .878 | -.2725 | -.1430 | -.0793 | -.1545  |

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF30)

BETA ( 3 ) = -2.010 ALPHA ( 4 ) = 5.070 Q(PSF) = 43.250 P0/PSF = 2127.0 RUN NO = 188.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |         |
|------|--------|--------|--------|---------|
| .050 | -.5202 | -.3687 | -.4857 | -1.0018 |
| .230 | .0028  | -.0700 | .0254  | -.0527  |
| .410 | .0491  | .0759  | .0584  | -.0065  |
| .590 | .0656  | .0924  | .0769  | -.0065  |
| .770 | -.0365 | .0553  | .0985  | .0532   |
| .878 | -.2643 | -.1243 | -.0574 | -.1232  |

BETA ( 3 ) = -2.010 ALPHA ( 5 ) = 6.100 Q(PSF) = 43.250 P0/PSF = 2127.0 RUN NO = 188.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4861 | -.3526 | -.4413 | -.8840 |
| .230 | .0501  | .0048  | .0614  | -.0355 |
| .410 | .0696  | .1046  | .0850  | .0122  |
| .590 | .0809  | .1190  | .1097  | .0258  |
| .770 | -.0240 | .0799  | .1354  | .1179  |
| .878 | -.2535 | -.1032 | -.0323 | -.0866 |

BETA ( 3 ) = -2.010 ALPHA ( 6 ) = 8.180 Q(PSF) = 43.250 P0/PSF = 2127.0 RUN NO = 188.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4237 | -.3277 | -.3527 | -.8023 |
| .230 | .1087  | .1211  | .1252  | .0360  |
| .410 | .1036  | .1488  | .1314  | .0735  |
| .590 | .1159  | .1663  | .1653  | .0905  |
| .770 | .0007  | .1231  | .1879  | .2126  |
| .878 | -.2296 | -.0626 | .0100  | .0100  |



DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORS\*GP

MAIN GEAR DOOR INNER SURFACE

(RFFF30)

BETA ( 3 ) = -2.010 ALPHA ( 7 ) = 10.300 Q(PSF) = 43.250 PO/PSF = 2127.0 RUN NO = 188.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3600 | -.2840 | -.2622 | -.6308 |
| .230 | .1371  | .1791  | .1699  | .0936  |
| .410 | .1371  | .1955  | .1812  | .1293  |
| .590 | .1463  | .2120  | .2171  | .1548  |
| .770 | .0274  | .1668  | .2314  | .2776  |
| .878 | -.1904 | -.0156 | .0346  | .0243  |

BETA ( 3 ) = -2.010 ALPHA ( 8 ) = 15.560 Q(PSF) = 43.250 PO/PSF = 2127.0 RUN NO = 188.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1979 | -.1094 | -.0698 | -.1140 |
| .230 | .2277  | .2985  | .2965  | .2145  |
| .410 | .2143  | .3180  | .3109  | .2621  |
| .590 | .2112  | .3252  | .3345  | .2893  |
| .770 | .0860  | .2636  | .3304  | .4064  |
| .878 | -.1083 | .0808  | .1240  | .1383  |

BETA ( 3 ) = -2.010 ALPHA ( 9 ) = 20.790 Q(PSF) = 43.250 PO/PSF = 2127.0 RUN NO = 188.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .1511 | .2390 | .3955 | .4321 |
| .230 | .3556 | .4333 | .4466 | .3288 |
| .410 | .3229 | .4364 | .4425 | .3881 |
| .590 | .3085 | .4251 | .4456 | .3982 |
| .770 | .1848 | .3505 | .4139 | .4885 |
| .878 | .0130 | .1684 | .2032 | .2247 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF30)

BETA ( 4 ) = -.030 ALPHA ( 1 ) = -.140 Q(PSF) = 43.222 PO/PSF = 2127.0 RUN NO = 189.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |         |
|------|--------|--------|--------|---------|
| .050 | -.6941 | -.5101 | -.7203 | -1.0642 |
| .230 | -.2289 | -.2969 | -.1348 | -.1436  |
| .410 | -.0501 | -.0366 | -.0721 | -.1453  |
| .590 | -.0303 | -.0230 | -.0815 | -.1590  |
| .770 | -.1223 | -.0512 | -.0460 | -.1295  |
| .878 | -.3533 | -.2153 | -.1756 | -.2739  |

BETA ( 4 ) = -.030 ALPHA ( 2 ) = 1.970 Q(PSF) = 43.222 PO/PSF = 2127.0 RUN NO = 189.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |         |
|------|--------|--------|--------|---------|
| .050 | -.6127 | -.4608 | -.6127 | -1.1580 |
| .230 | -.0801 | -.1716 | -.0301 | -.1053  |
| .410 | -.0115 | .0140  | -.0105 | -.0780  |
| .590 | -.0002 | .0335  | -.0002 | -.0849  |
| .770 | -.1030 | -.0002 | .0356  | -.0374  |
| .878 | -.3381 | -.1758 | -.1134 | -.1956  |

BETA ( 4 ) = -.030 ALPHA ( 3 ) = 4.010 Q(PSF) = 43.222 PO/PSF = 2127.0 RUN NO = 189.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5487 | -.4337 | -.5215 | -.9937 |
| .230 | .0193  | -.0219 | .0368  | -.0715 |
| .410 | .0182  | .0666  | .0471  | -.0235 |
| .590 | .0296  | .0831  | .0739  | -.0133 |
| .770 | -.0867 | .0471  | .1017  | .0677  |
| .878 | -.3261 | -.1411 | -.0648 | -.1505 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

PAGE 1360

0A163 ORB-CP

MAIN GEAR DOOR INNER SURFACE

(RFFFS0)

BETA ( 4 ) = -.030 ALPHA ( 4 ) = 5.060 Q(PSF) = 43.222 PO/PSF = 2127.0 RUN NO = 189.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5263 | -.4346 | -.4753 | -.9089 |
| .230 | .0469  | .0521  | .0665  | -.0337 |
| .410 | .0305  | .0811  | .0695  | .0037  |
| .590 | .0439  | .1106  | .1045  | .0217  |
| .770 | -.0781 | .0706  | .1322  | .1211  |
| .878 | -.3158 | -.1209 | -.0417 | -.1051 |

BETA ( 4 ) = -.030 ALPHA ( 5 ) = 6.110 Q(PSF) = 43.222 PO/PSF = 2127.0 RUN NO = 189.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5068 | -.4192 | -.4181 | -.8956 |
| .230 | .0624  | .0994  | .0891  | -.0047 |
| .410 | .0490  | .1158  | .0932  | .0343  |
| .590 | .0593  | .1354  | .1323  | .0513  |
| .770 | -.0667 | .0912  | .1590  | .1682  |
| .878 | -.3034 | -.1022 | -.0240 | -.0490 |

BETA ( 4 ) = -.030 ALPHA ( 6 ) = 8.190 Q(PSF) = 43.222 PO/PSF = 2127.0 RUN NO = 189.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4834 | -.3729 | -.3271 | -.7188 |
| .230 | .0829  | .1404  | .1342  | .0479  |
| .410 | .0788  | .1599  | .1424  | .0836  |
| .590 | .0890  | .1783  | .1855  | .1074  |
| .770 | -.0385 | .1321  | .1999  | .2410  |
| .878 | -.2677 | -.0583 | -.0012 | -.0177 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF30)

BETA ( 4 ) = -.030 ALPHA ( 7 ) = 10.280 Q(PSF) = 43.222 PO/PSF = 2127.0 RUN NO = 189.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3964 | -.3178 | -.2580 | -.4932 |
| .230 | .1041  | .1765  | .1765  | .1098  |
| .410 | .1020  | .2044  | .1930  | .1338  |
| .590 | .1134  | .2219  | .2312  | .1749  |
| .770 | -.0157 | .1682  | .2395  | .2964  |
| .878 | -.2391 | -.0230 | .0286  | .0421  |

BETA ( 4 ) = -.030 ALPHA ( 8 ) = 15.510 Q(PSF) = 43.222 PO/PSF = 2127.0 RUN NO = 189.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |       |
|------|--------|--------|--------|-------|
| .050 | -.2352 | -.0690 | -.0054 | .0088 |
| .230 | .2120  | .3037  | .3099  | .1982 |
| .410 | .1872  | .3212  | .3192  | .2613 |
| .590 | .1852  | .3192  | .3336  | .2801 |
| .770 | .0574  | .2501  | .3119  | .3913 |
| .878 | -.1275 | .0626  | .0945  | .1100 |

BETA ( 4 ) = -.040 ALPHA ( 9 ) = 20.800 Q(PSF) = 43.222 PO/PSF = 2127.0 RUN NO = 189.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |       |       |       |
|------|--------|-------|-------|-------|
| .050 | .2689  | .3805 | .5607 | .4850 |
| .230 | .3518  | .4604 | .4747 | .3444 |
| .410 | .3068  | .4563 | .4655 | .4071 |
| .590 | .2853  | .4389 | .4624 | .4155 |
| .770 | .1584  | .3570 | .4163 | .4941 |
| .878 | -.0063 | .1635 | .1901 | .2198 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

PAGE 1390

OA163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF30)

BETA ( 5 ) = 5.020 ALPHA ( 1 ) = -.130 Q(PSF) = 43.212 PO/PSF = 2127.1 RUN NO = 190.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |         |
|------|--------|--------|--------|---------|
| .050 | -.7056 | -.6188 | -.6282 | -1.1139 |
| .230 | -.0669 | -.0105 | -.0054 | -.1110  |
| .410 | -.0941 | .0038  | -.0198 | -.0818  |
| .590 | -.0826 | .0254  | .0110  | -.0801  |
| .770 | -.2195 | -.0095 | .0450  | .0079   |
| .878 | -.4568 | -.2070 | -.1285 | -.2592  |

BETA ( 5 ) = 5.020 ALPHA ( 2 ) = 1.950 Q(PSF) = 43.212 PO/PSF = 2127.1 RUN NO = 190.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |         |
|------|--------|--------|--------|---------|
| .050 | -.7657 | -.5738 | -.5133 | -1.0278 |
| .230 | -.0678 | .0285  | .0192  | -.0800  |
| .410 | -.0699 | .0470  | .0244  | -.0406  |
| .590 | -.0563 | .0645  | .0614  | -.0269  |
| .770 | -.1930 | .0192  | .0809  | .0963   |
| .878 | -.4288 | -.1805 | -.1168 | -.1679  |

BETA ( 5 ) = 5.020 ALPHA ( 3 ) = 4.020 Q(PSF) = 43.212 PO/PSF = 2127.1 RUN NO = 190.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7600 | -.5593 | -.5198 | -.7412 |
| .230 | -.0405 | .0550  | .0489  | -.0268 |
| .410 | -.0395 | .0929  | .0683  | .0037  |
| .590 | -.0260 | .1063  | .1032  | .0257  |
| .770 | -.1601 | .0489  | .1001  | .1370  |
| .878 | -.3784 | -.1486 | -.1278 | -.1403 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

PAGE 1391

0A163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF30)

BETA ( 5 ) = 5.020 ALPHA ( 4 ) = 5.110 Q(PSF) = 43.212 PO/PSF = 2127.1 RUN NO = 190.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7185 | -.5315 | -.4898 | -.4346 |
| .230 | -.0282 | .0820  | .0779  | .0105  |
| .410 | -.0261 | .1181  | .0995  | .0378  |
| .590 | -.0126 | .1304  | .1283  | .0582  |
| .770 | -.1514 | .0707  | .1232  | .1613  |
| .878 | -.3634 | -.1316 | -.1086 | -.1190 |

BETA ( 5 ) = 5.020 ALPHA ( 5 ) = 6.110 Q(PSF) = 43.212 PO/PSF = 2127.1 RUN NO = 190.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.8597 | -.4822 | -.4196 | -.2700 |
| .230 | -.0136 | .1087  | .1087  | .0275  |
| .410 | -.0105 | .1437  | .1314  | .0650  |
| .590 | .0028  | .1550  | .1581  | .0854  |
| .770 | -.1346 | .0902  | .1437  | .1952  |
| .878 | -.3434 | -.1117 | -.0887 | -.1012 |

BETA ( 5 ) = 5.020 ALPHA ( 6 ) = 8.200 Q(PSF) = 43.212 PO/PSF = 2127.1 RUN NO = 190.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5347 | -.3526 | -.2208 | -.0407 |
| .230 | .0286  | .1657  | .1781  | .0788  |
| .410 | .0152  | .1967  | .1905  | .1266  |
| .590 | .0255  | .2029  | .2132  | .1488  |
| .770 | -.1151 | .1327  | .1895  | .2431  |
| .878 | -.3150 | -.0711 | -.0481 | -.0659 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

PAGE 1392

0A163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF30)

BETA ( 5 ) = 5.020 ALPHA ( 7 ) = 10.280 Q(PSF) = 43.212 PO/PSF = 2127.1 RUN NO = 190.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |       |
|------|--------|--------|--------|-------|
| .050 | -.3651 | -.1982 | -.0751 | .0394 |
| .230 | .0634  | .2280  | .2372  | .1075 |
| .410 | .0285  | .2465  | .2444  | .1773 |
| .590 | .0316  | .2434  | .2588  | .1943 |
| .770 | -.1053 | .1683  | .2310  | .3061 |
| .878 | -.2942 | -.0365 | -.0125 | .0017 |

BETA ( 5 ) = 5.020 ALPHA ( 8 ) = 15.540 Q(PSF) = 43.212 PO/PSF = 2127.1 RUN NO = 190.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |       |       |       |
|------|--------|-------|-------|-------|
| .050 | .1119  | .3146 | .4752 | .3377 |
| .230 | .1808  | .3723 | .3898 | .2218 |
| .410 | .1170  | .3671 | .3795 | .2917 |
| .590 | .1016  | .3527 | .3743 | .2985 |
| .770 | -.0407 | .2611 | .3218 | .3928 |
| .878 | -.2046 | .0522 | .0686 | .1026 |

BETA ( 5 ) = 5.020 ALPHA ( 9 ) = 20.820 Q(PSF) = 43.212 PO/PSF = 2127.1 RUN NO = 190.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |       |       |       |
|------|--------|-------|-------|-------|
| .050 | .5086  | .7502 | .7698 | .5433 |
| .230 | .3071  | .5210 | .5436 | .3714 |
| .410 | .2177  | .4881 | .5127 | .4412 |
| .590 | .1991  | .4634 | .4942 | .4446 |
| .770 | .0645  | .3626 | .4253 | .4983 |
| .878 | -.0907 | .1498 | .1734 | .1961 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

PAGE 1393

OA163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF30)

BETA ( 6 ) = 10.100 ALPHA ( 1 ) = -.110 Q(PSF) = 43.232 PO/PSF = 2127.2 RUN NO = 191.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.9815 | -.6986 | -.6620 | -.7245 |
| .230 | -.0974 | -.0262 | -.0419 | -.0992 |
| .410 | -.0901 | .0110  | -.0241 | -.0906 |
| .590 | -.0806 | .0255  | .0100  | -.0751 |
| .770 | -.2210 | -.0293 | .0110  | .0358  |
| .878 | -.4315 | -.2252 | -.2084 | -.2409 |

BETA ( 6 ) = 10.100 ALPHA ( 2 ) = 1.980 Q(PSF) = 43.232 PO/PSF = 2127.2 RUN NO = 191.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7055 | -.5304 | -.4929 | -.6131 |
| .230 | -.0896 | .0274  | .0069  | -.0508 |
| .410 | -.0906 | .0623  | .0295  | -.0457 |
| .590 | -.0792 | .0747  | .0572  | -.0269 |
| .770 | -.2453 | .0161  | .0449  | .0747  |
| .878 | -.3991 | -.1823 | -.1782 | -.2146 |

BETA ( 6 ) = 10.090 ALPHA ( 3 ) = 4.020 Q(PSF) = 43.232 PO/PSF = 2127.2 RUN NO = 191.00

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3949 | -.1292 | -.0364 | -.1482 |
| .230 | -.0729 | .1086  | .0952  | -.0098 |
| .410 | -.0792 | .1363  | .1137  | .0360  |
| .590 | -.0656 | .1383  | .1281  | .0462  |
| .770 | -.1907 | .0634  | .0942  | .1240  |
| .878 | -.3730 | -.1406 | -.1438 | -.1771 |



DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB+GP MAIN GEAR DOOR INNER SURFACE

(RFFF30)

BETA ( 6 ) = 10.100 ALPHA ( 4 ) = 5.080 Q(PSF) = 43.232 PO/PSF = 2127.2 RUN NO = 191.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3231 | .0007  | .1497  | .0360  |
| .230 | -.0521 | .1620  | .1569  | .0360  |
| .410 | -.0813 | .1825  | .1682  | .0853  |
| .590 | -.0667 | .1795  | .1795  | .0955  |
| .770 | -.2011 | .1065  | .1373  | .1692  |
| .878 | -.3783 | -.1125 | -.1136 | -.1469 |

BETA ( 6 ) = 10.090 ALPHA ( 5 ) = 6.130 Q(PSF) = 43.232 PO/PSF = 2127.2 RUN NO = 191.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2688 | .0808  | .2615  | .1159  |
| .230 | -.0458 | .2051  | .2112  | .0683  |
| .410 | -.0917 | .2194  | .2215  | .1312  |
| .590 | -.0885 | .2153  | .2225  | .1380  |
| .770 | -.2240 | .1311  | .1804  | .2164  |
| .878 | -.3969 | -.0896 | -.0854 | -.1198 |

BETA ( 6 ) = 10.090 ALPHA ( 6 ) = 8.190 Q(PSF) = 43.232 PO/PSF = 2127.2 RUN NO = 191.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.1564 | .1806  | .3893  | .2335  |
| .230 | -.0344 | .2670  | .2937  | .1160  |
| .410 | -.1053 | .2700  | .2916  | .1977  |
| .590 | -.1147 | .2577  | .2865  | .1994  |
| .770 | -.2618 | .1662  | .2310  | .2937  |
| .878 | -.4245 | -.0636 | -.0469 | -.0375 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP

MAIN GEAR DOOR INNER SURFACE

(RFFF30)

BETA ( 6 ) = 10.090 ALPHA ( 7 ) = 10.280 Q(PSF) = 43.232 PO/PSF = 2127.2 RUN NO = 191.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |       |
|------|--------|--------|--------|-------|
| .050 | .0110  | .3638  | .5170  | .3392 |
| .230 | .0007  | .3155  | .3463  | .1672 |
| .410 | -.0855 | .3124  | .3360  | .2472 |
| .590 | -.1054 | .2908  | .3257  | .2472 |
| .770 | -.2546 | .1941  | .2640  | .3473 |
| .878 | -.3986 | -.0365 | -.0240 | .0089 |

BETA ( 6 ) = 10.090 ALPHA ( 8 ) = 15.530 Q(PSF) = 43.232 PO/PSF = 2127.2 RUN NO = 191.00

SECTION ( 1 ) MAIN LND GR DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |       |       |       |
|------|--------|-------|-------|-------|
| .050 | .3703  | .7193 | .7214 | .4742 |
| .230 | .1140  | .4496 | .4774 | .2713 |
| .410 | .0141  | .4136 | .4434 | .3480 |
| .590 | -.0167 | .3868 | .4218 | .3361 |
| .770 | -.1650 | .2808 | .3466 | .4094 |
| .878 | -.2966 | .0450 | .0646 | .0625 |

BETA ( 6 ) = 10.090 ALPHA ( 9 ) = 20.780 Q(PSF) = 43.232 PO/PSF = 2127.2 RUN NO = 191.00

SECTION ( 1 ) MAIN LND GP DR-I

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |       |       |       |
|------|--------|-------|-------|-------|
| .050 | .5791  | .8462 | .8791 | .6008 |
| .230 | .2350  | .5822 | .6089 | .4017 |
| .410 | .1168  | .5247 | .5555 | .4715 |
| .590 | .0901  | .4815 | .5144 | .4392 |
| .770 | -.0385 | .3665 | .4219 | .4692 |
| .878 | -.1626 | .1343 | .1415 | .1168 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP+SS MAIN GEAR DOOR INNER SURFACE

(RFFF31) ( 11 MAY 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0405

## PARAMETRIC DATA

MACH = .170 ELEVON = .000  
 BDFLAP = -11.700 SPDBRK = .000  
 PHI-N = 66.000 THETAN = 108.000  
 PHI-M = 88.000 THETAM = 98.000

BETA ( 1 ) = -10.080 ALPHA ( 1 ) = .000 Q(PSF) = 44.092 PO/PSF = 2117.2

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.5012 -.4951 -.7798 -1.0883  
 .230 -.4254 -.4603 -.2780 -.2099  
 .410 -.1366 -.1264 -.1694 -.1864  
 .590 -.1172 -.1202 -.2267 -.2838  
 .770 -.1684 -.1632 -.2247 -.0905  
 .878 -.3005 -.2595 -.2831 -.2462

BETA ( 1 ) = -10.080 ALPHA ( 2 ) = 5.210 Q(PSF) = 44.092 PO/PSF = 2117.2

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.4117 -.3350 -.5120 -.7266  
 .230 -.3606 -.2020 -.1334 -.1024  
 .410 -.0229 .1172 .0426 -.0034  
 .590 .0598 .1092 .0053 -.0302  
 .770 .0164 .0335 -.0127 -.0362  
 .878 -.1447 -.1048 -.1273 -.1017

BETA ( 1 ) = -10.070 ALPHA ( 3 ) = 10.420 Q(PSF) = 44.092 PO/PSF = 2117.2

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

.050 -.3147 -.1611 -.2584 -.5574  
 .230 .0305 .0164 .0729 .1001  
 .410 .1526 .2152 .1950 .1301  
 .590 .1980 .2273 .2011 .1301  
 .770 .1456 .1930 .2031 -.0006  
 .878 -.0178 .0467 .0618 .0386

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP+SS MAIN GEAR DOOR INNER SURFACE

(RFFF31)

BETA ( 1 ) = -10.070 ALPHA ( 4 ) = 13.660 Q(PSF) = 44.092 PO/PSF = 2117.2

SECTION ( 1 ) MAIN LND GR DR-I DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2023 | -.0017 | -.0301 | -.3546 |
| .230 | .2598  | .2750  | .2841  | .2323  |
| .410 | .2982  | .3224  | .3113  | .2757  |
| .590 | .3204  | .3356  | .3366  | .2958  |
| .770 | .2608  | .3083  | .3517  | .0861  |
| .878 | .1013  | .1669  | .2154  | .2245  |

BETA ( 1 ) = -10.070 ALPHA ( 5 ) = 20.880 Q(PSF) = 44.092 PO/PSF = 2117.2

SECTION ( 1 ) MAIN LND GR DR-I DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |       |       |       |
|------|--------|-------|-------|-------|
| .050 | -.0057 | .1509 | .1218 | .0098 |
| .230 | .3768  | .4120 | .4050 | .3540 |
| .410 | .4040  | .4220 | .4170 | .3889 |
| .590 | .4200  | .4341 | .4461 | .4188 |
| .770 | .3527  | .4009 | .4451 | .1710 |
| .878 | .2031  | .2684 | .2975 | .3055 |

BETA ( 2 ) = -5.030 ALPHA ( 1 ) = .000 Q(PSF) = 44.004 PO/PSF = 2115.0

SECTION ( 1 ) MAIN LND GR DR-I DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5766 | -.4575 | -.6721 | -.8674 |
| .230 | -.3999 | -.3116 | -.1689 | -.1347 |
| .410 | -.0497 | .0114  | -.0631 | -.1044 |
| .590 | .0023  | .0084  | -.1103 | -.1415 |
| .770 | -.0569 | -.0518 | -.1216 | .2493  |
| .878 | -.2356 | -.1863 | -.2017 | -.1976 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP+SS MAIN GEAR DOOR INNER SURFACE

(RFFF31)

BETA ( 2 ) = -5.030 ALPHA ( 2 ) = 5.200 Q(PSF) = 44.004 PO/PSF = 2115.0

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.4527 | -.2882 | -.4352 | -.7772 |
| .230 | -.0118 | -.0868 | .0053  | .0032  |
| .410 | .1016  | .1137  | .0915  | .0166  |
| .590 | .1249  | .1310  | .0945  | .0116  |
| .770 | .0530  | .1026  | .1259  | .3447  |
| .878 | -.1495 | -.0477 | .0104  | -.0713 |

BETA ( 2 ) = -5.030 ALPHA ( 3 ) = 10.410 Q(PSF) = 44.004 PO/PSF = 2115.0

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2849 | -.1565 | -.2037 | -.6214 |
| .230 | .1926  | .1956  | .2047  | .1155  |
| .410 | .2077  | .2331  | .2158  | .1708  |
| .590 | .2199  | .2523  | .2503  | .1825  |
| .770 | .1298  | .2179  | .2776  | .4021  |
| .878 | -.0713 | .0569  | .1278  | .1248  |

BETA ( 2 ) = -5.030 ALPHA ( 4 ) = 15.650 Q(PSF) = 44.004 PO/PSF = 2115.0

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.0915 | -.0383 | -.0424 | -.1293 |
| .230 | .2838  | .3232  | .3201  | .2504  |
| .410 | .2909  | .3403  | .3353  | .2939  |
| .590 | .2989  | .3554  | .3665  | .3240  |
| .770 | .1960  | .3151  | .3776  | .4120  |
| .878 | .0164  | .1617  | .2112  | .2212  |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP+SS MAIN GEAR DOOR INNER SURFACE

(RFFF31)

BETA ( 2 ) = -5.040 ALPHA ( 5 ) = 20.890 Q(PSF) = 44.004 PO/PSF = 2115.0

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

|       |       |       |       |       |
|-------|-------|-------|-------|-------|
| Y/BML | .0760 | .3100 | .5820 | .8530 |
| X/CML |       |       |       |       |
| .050  | .1278 | .1780 | .2634 | .3358 |
| .230  | .3980 | .4372 | .4462 | .3624 |
| .410  | .3880 | .4452 | .4502 | .4106 |
| .590  | .3799 | .4452 | .4613 | .4289 |
| .770  | .2805 | .3970 | .4553 | .3900 |
| .878  | .1208 | .2463 | .2855 | .2956 |

BETA ( 3 ) = .000 ALPHA ( 1 ) = -.010 Q(PSF) = 44.164 PO/PSF = 2114.8

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

|       |        |        |        |        |
|-------|--------|--------|--------|--------|
| Y/BML | .0760  | .3100  | .5820  | .8530  |
| X/CML |        |        |        |        |
| .050  | -.5556 | -.4392 | -.6202 | -.9074 |
| .230  | -.0894 | -.1773 | -.0198 | -.0771 |
| .410  | .0033  | .0265  | -.0037 | -.0637 |
| .590  | .0114  | .0456  | .0013  | -.0755 |
| .770  | -.0873 | .0265  | .0557  | -.1098 |
| .878  | -.3072 | -.1262 | -.0434 | -.1467 |

BETA ( 3 ) = .000 ALPHA ( 2 ) = 5.150 Q(PSF) = 44.164 PO/PSF = 2114.8

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

|       |        |        |        |        |
|-------|--------|--------|--------|--------|
| Y/BML | .0760  | .3100  | .5820  | .8530  |
| X/CML |        |        |        |        |
| .050  | -.4612 | -.3835 | -.3825 | -.8662 |
| .230  | .0798  | .1231  | .1090  | -.0034 |
| .410  | .0708  | .1372  | .1161  | .0582  |
| .590  | .0798  | .1584  | .1553  | .0715  |
| .770  | -.0382 | .1241  | .1956  | .0859  |
| .878  | -.2609 | -.0494 | .0416  | -.0016 |

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DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB+GP+SS MAIN GEAR DOOR INNER SURFACE

(RFFF31)

BETA ( 3 ) = .000 ALPHA ( 3 ) = 10.360 Q(PSF) = 44.164 PO/PSF = 2114.8

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.3497 | -.2540 | -.1990 | -.3324 |
| .230 | .1428  | .2221  | .2191  | .1178  |
| .410 | .1428  | .2492  | .2382  | .1876  |
| .590 | .1508  | .2663  | .2713  | .2176  |
| .770 | .0314  | .2221  | .2874  | .2030  |
| .878 | -.1654 | .0484  | .1087  | .1037  |

BETA ( 3 ) = .000 ALPHA ( 4 ) = 15.640 Q(PSF) = 44.164 PO/PSF = 2114.8

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |       |       |       |
|------|--------|-------|-------|-------|
| .050 | -.0987 | .0205 | .1234 | .1669 |
| .230 | .2475  | .3424 | .3465 | .2271 |
| .410 | .2243  | .3555 | .3515 | .2956 |
| .590 | .2203  | .3525 | .3626 | .3040 |
| .770 | .1083  | .2919 | .3434 | .2960 |
| .878 | -.0567 | .1214 | .1527 | .1537 |

BETA ( 3 ) = .000 ALPHA ( 5 ) = 20.910 Q(PSF) = 44.164 PO/PSF = 2114.8

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| .050 | .3889 | .4934 | .6400 | .4621 |
| .230 | .3759 | .4894 | .4994 | .3707 |
| .410 | .3307 | .4803 | .4884 | .4272 |
| .590 | .3096 | .4653 | .4844 | .4305 |
| .770 | .1941 | .3910 | .4472 | .3548 |
| .878 | .0475 | .2172 | .2443 | .2574 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB+GP+SS MAIN GEAR DOOR INNER SURFACE

(RFFF31)

BETA ( 4 ) = 5.030 ALPHA ( 1 ) = -.010 Q(PSF) = 44.108 PO/PSF = 2116.3

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |         |
|------|--------|--------|--------|---------|
| .050 | -.7128 | -.5526 | -.5126 | -1.0234 |
| .230 | -.0487 | .0438  | .0357  | -.0791  |
| .410 | -.0528 | .0569  | .0367  | -.0219  |
| .590 | -.0415 | .0802  | .0721  | -.0252  |
| .770 | -.1718 | .0468  | .1075  | .3199   |
| .878 | -.3915 | -.1349 | -.0528 | -.1698  |

BETA ( 4 ) = 5.030 ALPHA ( 2 ) = 5.200 Q(PSF) = 44.108 PO/PSF = 2116.3

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.5989 | -.4311 | -.3595 | -.1913 |
| .230 | .0134  | .1324  | .1324  | .0366  |
| .410 | .0174  | .1666  | .1535  | .0900  |
| .590 | .0295  | .1798  | .1808  | .1100  |
| .770 | -.0935 | .1283  | .1787  | .3270  |
| .878 | -.2930 | -.0587 | -.0280 | -.0597 |

BETA ( 4 ) = 5.020 ALPHA ( 3 ) = 10.410 Q(PSF) = 44.108 PO/PSF = 2116.3

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |       |       |
|------|--------|--------|-------|-------|
| .050 | -.2300 | -.0701 | .0487 | .0901 |
| .230 | .0952  | .2649  | .2699 | .1303 |
| .410 | .0639  | .2821  | .2770 | .2055 |
| .590 | .0639  | .2780  | .2861 | .2222 |
| .770 | -.0629 | .2103  | .2659 | .3326 |
| .878 | -.2330 | .0195  | .0467 | .0417 |



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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB+GP+SS MAIN GEAR DOOR INNER SURFACE

(RFFF31)

BETA ( 4 ) = 5.020 ALPHA ( 4 ) = 15.650 Q(PSF) = 44.108 PO/PSF = 2116.3

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |       |       |       |
|------|--------|-------|-------|-------|
| .050 | .2058  | .4316 | .5727 | .3252 |
| .230 | .2089  | .4054 | .4185 | .2568 |
| .410 | .1504  | .3963 | .4064 | .3235 |
| .590 | .1282  | .3802 | .3983 | .3252 |
| .770 | .0043  | .2996 | .3540 | .3066 |
| .878 | -.1446 | .1020 | .1182 | .1303 |

BETA ( 4 ) = 5.020 ALPHA ( 5 ) = 20.900 Q(PSF) = 44.108 PO/PSF = 2116.3

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |       |       |       |
|------|--------|-------|-------|-------|
| .050 | .5480  | .7452 | .7702 | .4856 |
| .230 | .3367  | .5369 | .5520 | .3878 |
| .410 | .2586  | .4989 | .5169 | .4509 |
| .590 | .2386  | .4769 | .4959 | .4541 |
| .770 | .1244  | .3898 | .4398 | .2426 |
| .878 | -.0147 | .1865 | .2105 | .2105 |

BETA ( 5 ) = 10.060 ALPHA ( 1 ) = .000 Q(PSF) = 44.046 PO/PSF = 2116.4

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.7126 | -.5924 | -.5369 | -.6725 |
| .230 | -.0795 | .0185  | .0063  | -.0725 |
| .410 | -.0765 | .0590  | .0256  | -.0455 |
| .590 | -.0662 | .0732  | .0550  | -.0286 |
| .770 | -.1762 | .0175  | .0469  | .3052  |
| .878 | -.3601 | -.1720 | -.1669 | -.2173 |

DATE 17 MAY 76

TABULATED PRESSURE DATA - OA163 ( NAAL-751 )

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OA163 ORB+GP+SS MAIN GEAR DOOR INNER SURFACE

(RFFF31)

BETA ( 5 ) = 10.060 ALPHA ( 2 ) = 5.200 Q(PSF) = 44.046 PO/PSF = 2116.4

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |        |
|------|--------|--------|--------|--------|
| .050 | -.2220 | .1297  | .2813  | .0852  |
| .230 | -.0199 | .2196  | .2247  | .0751  |
| .410 | -.0609 | .2308  | .2287  | .1404  |
| .590 | -.0548 | .2196  | .2277  | .1404  |
| .770 | -.1768 | .1357  | .1843  | .3177  |
| .878 | -.3410 | -.0794 | -.0640 | -.1184 |

BETA ( 5 ) = 10.070 ALPHA ( 3 ) = 10.430 Q(PSF) = 44.046 PO/PSF = 2116.4

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |        |        |       |
|------|--------|--------|--------|-------|
| .050 | .1232  | .4588  | .5697  | .2785 |
| .230 | .0416  | .3369  | .3581  | .1634 |
| .410 | -.0342 | .3228  | .3379  | .2468 |
| .590 | -.0526 | .2936  | .3177  | .2418 |
| .770 | -.1691 | .1918  | .2543  | .3560 |
| .878 | -.2970 | -.0301 | -.0127 | .0033 |

BETA ( 5 ) = 10.070 ALPHA ( 4 ) = 15.660 Q(PSF) = 44.046 PO/PSF = 2116.4

SECTION ( 1 ) MAIN LND GR DR-1 DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |       |       |       |
|------|--------|-------|-------|-------|
| .050 | .3994  | .7098 | .7119 | .3920 |
| .230 | .1615  | .4478 | .4609 | .2485 |
| .410 | .0759  | .4034 | .4175 | .3186 |
| .590 | .0507  | .3631 | .3863 | .3069 |
| .770 | -.0832 | .2502 | .3067 | .3756 |
| .878 | -.2111 | .0355 | .0507 | .0355 |

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TABULATED PRESSURE DATA - 0A163 ( NAAL-751 )

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0A163 ORB+CP+SS MAIN GEAR DOOR INNER SURFACE

(RFFF31)

BETA ( 5 ) = 10.070 ALPHA ( 5 ) = 20.900 Q(PSF) = 44.046 PO/PSF = 2116.4

SECTION ( 1 ) MAIN LND GR DR-1

DEPENDENT VARIABLE CP

Y/BML .0760 .3100 .5820 .8530

X/CML

|      |        |       |       |       |
|------|--------|-------|-------|-------|
| .050 | .6089  | .8162 | .8172 | .4429 |
| .230 | .2960  | .5526 | .5556 | .3330 |
| .410 | .1964  | .4862 | .4983 | .4029 |
| .590 | .1411  | .4329 | .4620 | .3896 |
| .770 | -.0037 | .3262 | .3866 | .4057 |
| .878 | -.1300 | .1250 | .1321 | .0757 |